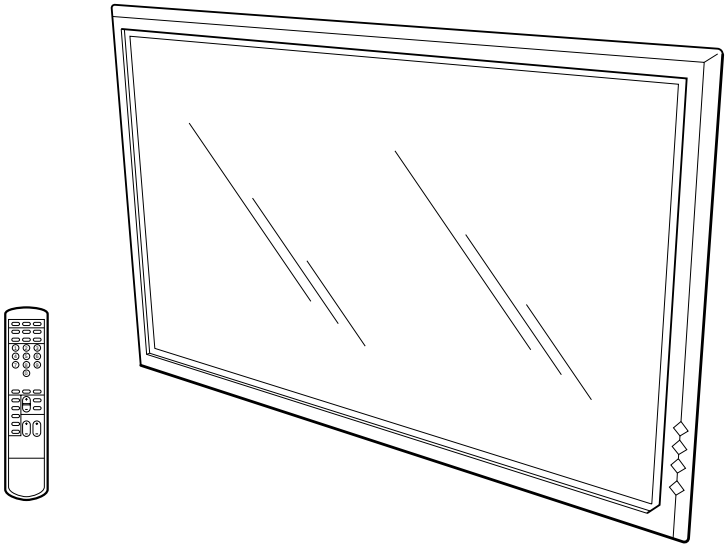
SERVICE MANUAL

MODEL	DEST.	CHASSIS NO.
PFM-42B2	US/CND/E	
PFM-42B2E	AEP	

MODEL	DEST.	CHASSIS NO.
BKM-B10	AEP	
RM-42B	US/CND/AEP/E	



PFM-42B2	Flat Panel Monitor
PFM-42B2E	Flat Panel Monitor
BKM-B10	Video Input Adaptor (AEP only) (SEPARATE VOLUME)
BKM-B12	Component Input Adaptor (SEPARATE VOLUME)
BKM-B13	Video Input & Control S Adaptor (SEPARATE VOLUME)
RM-42B	Remote Commander

FLAT PANEL MONITOR

SONY

⚠警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l’entretien. Afin de réduire les risques de décharge électrique, d’incendie ou de blessure n’effectuer que les réparations indiquées dans le mode d’emploi à moins d’être qualifié pour en effectuer d’autres. Pour toute réparation faire appel à une personne compétente uniquement.

WARNING!!

AN INSULATED TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY A ⚠ MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION!!

AFIN D’ÉVITER TOUT RISQUE D’ÉLECTROCUTION PROVENANT D’UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D’ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE.
LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ Á L’ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SÉCURITÉ!!

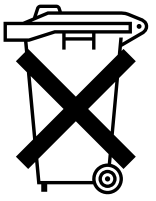
LES COMPOSANTS IDENTIFIÉS PAR UNE MAPQUE ⚠ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D’UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

For the customers in the Netherlands
Voor de klanten in Nederland

Dit apparaat bevat een CR2025 batterij voor memory back-up.

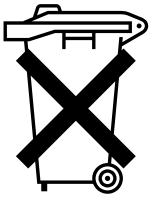
Raadpleeg uw leverancier over de verwijdering van de batterij op het moment dat u het apparaat bij einde levensduur afdankt.

Gooi de batterij niet weg. maar lever hem in als KCA.



Bij dit product zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

For the customers in the Netherlands
Voor de klanten in Nederland



Bij dit product zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

Für Kunden in Deutschland

Entsorgungshinweis: Bitte werfen Sie nur entladene Batterien in die Sammelboxen beim Handel oder den Kommunen. Entladen sind Batterien in der Regel dann, wenn das Gerät abschaltet und signalisiert “Batterie leer” oder nach längerer Gebrauchsdauer der Batterien “nicht mehr einwandfrei funktioniert”. Um sicherzugehen, kleben Sie die Batteriepole z.B. mit einem Klebestreifen ab oder geben Sie die Batterien einzeln in einen Plastikbeutel.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer's instructions.

ADVARSEL

Lithiumbatteri - Eksplosjonsfare.
Ved utskifting benyttes kun batteri som anbefalt av apparatfabrikanten.
Brukt batteri returneres apparatleverandøren.

Vorsicht!

Explosionsgefahr bei unsachgemäßem Austausch der Batterie.

Ersatz nur durch denselben oder einen vom Hersteller empfohlenen ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

VARNING

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en likvärdig typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt gällande föreskrifter.

ATTENTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie.

Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.
Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

VAROITUS

Paristo voi räjähtää jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin.
Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

ADVARSEL!

Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

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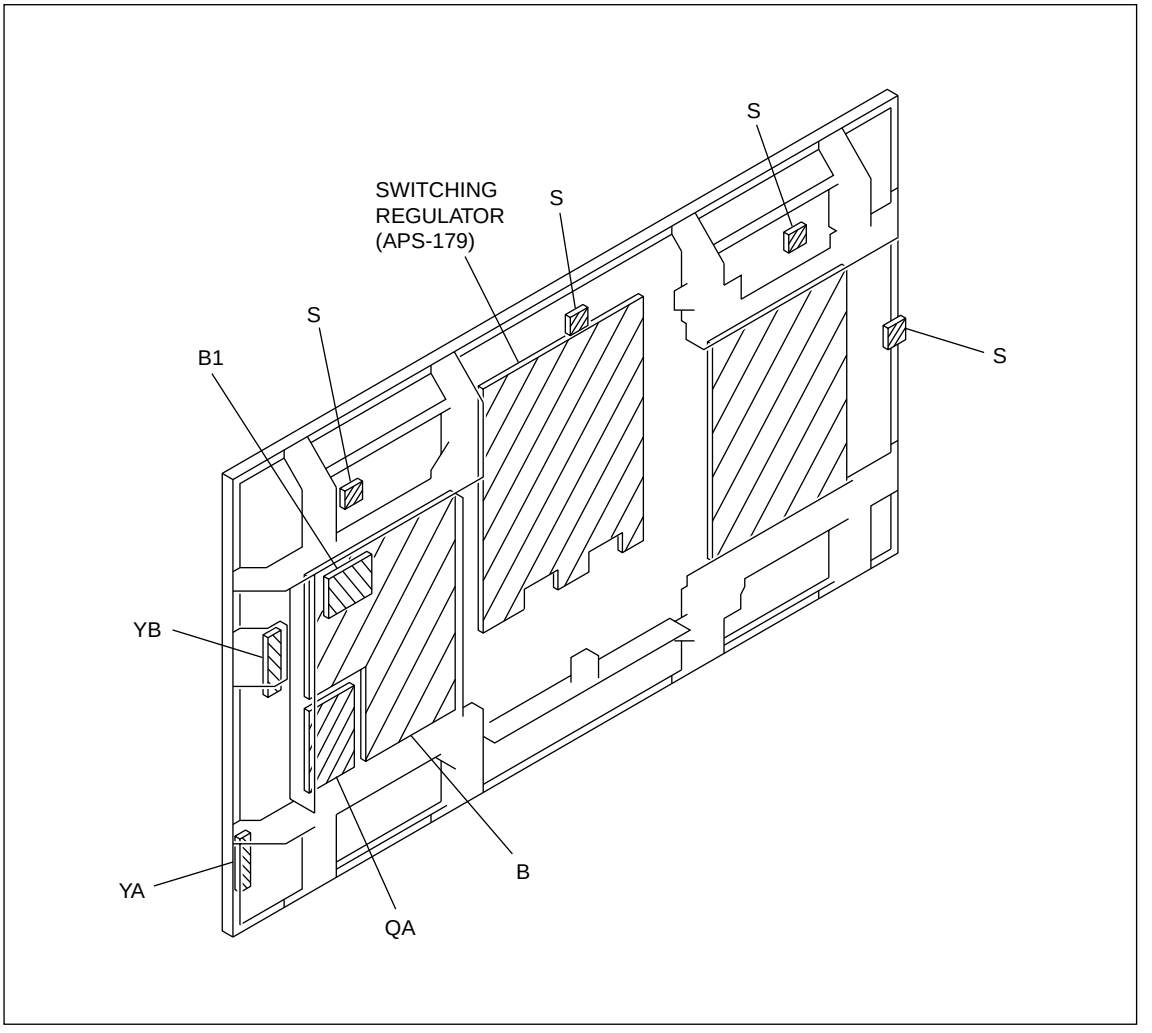
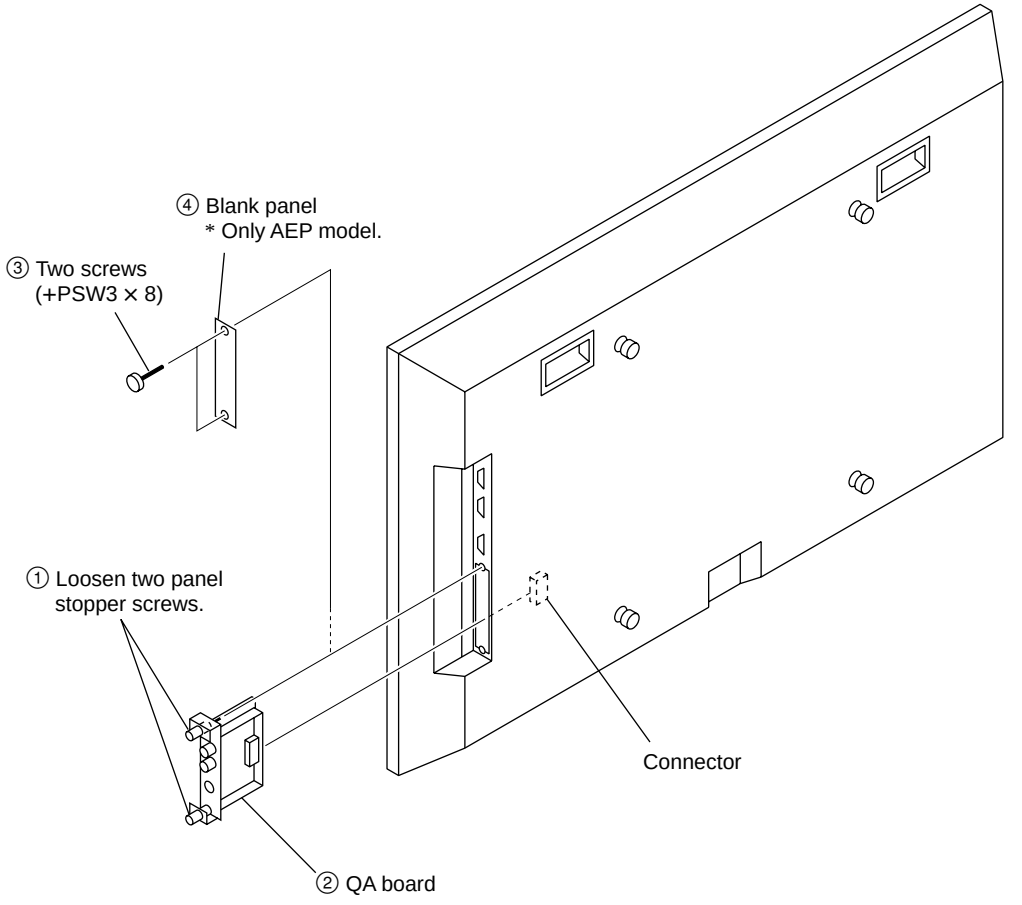
Section 1
Service Informations

1-1. Board Layout

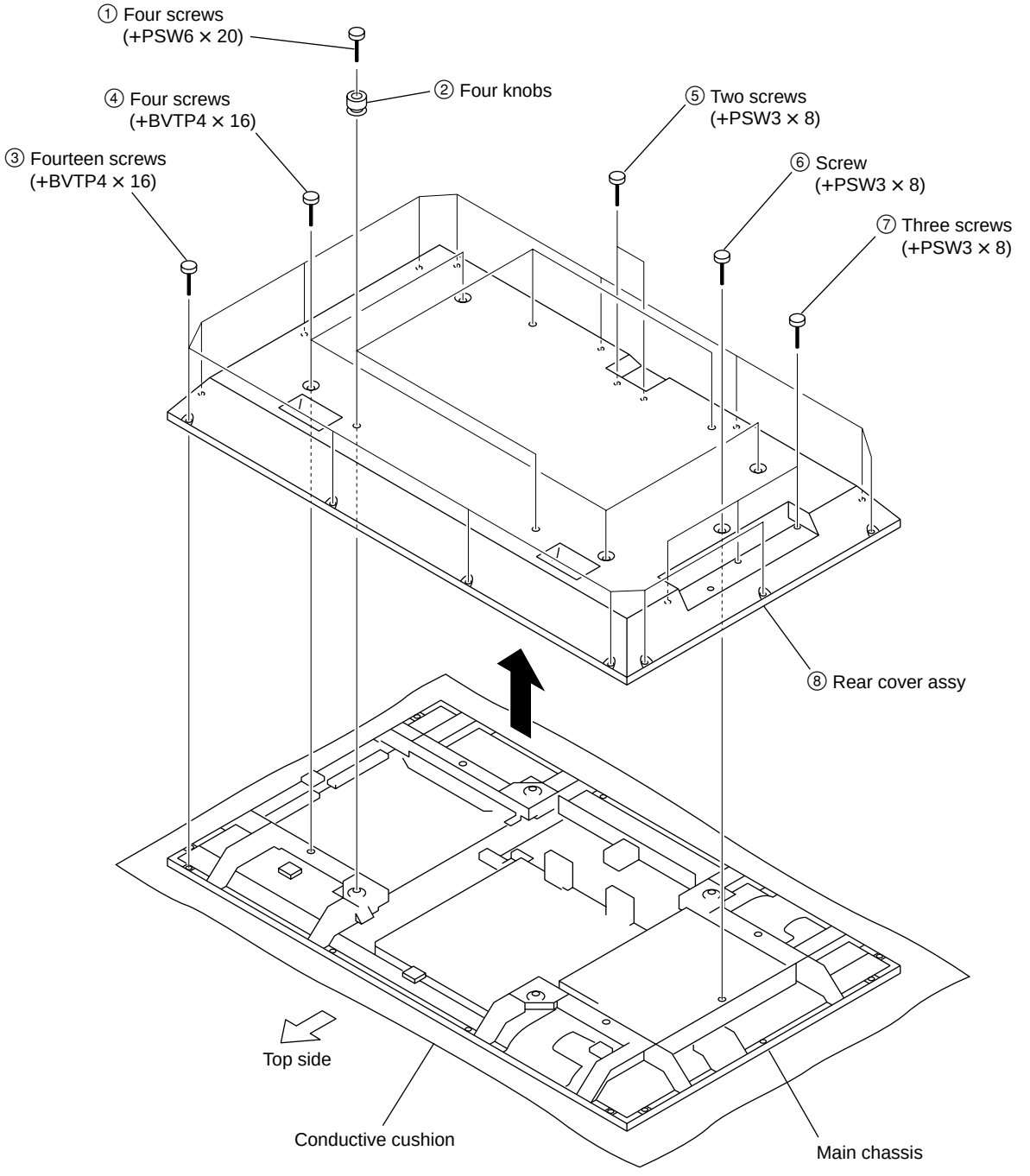


1-2. Disassembly

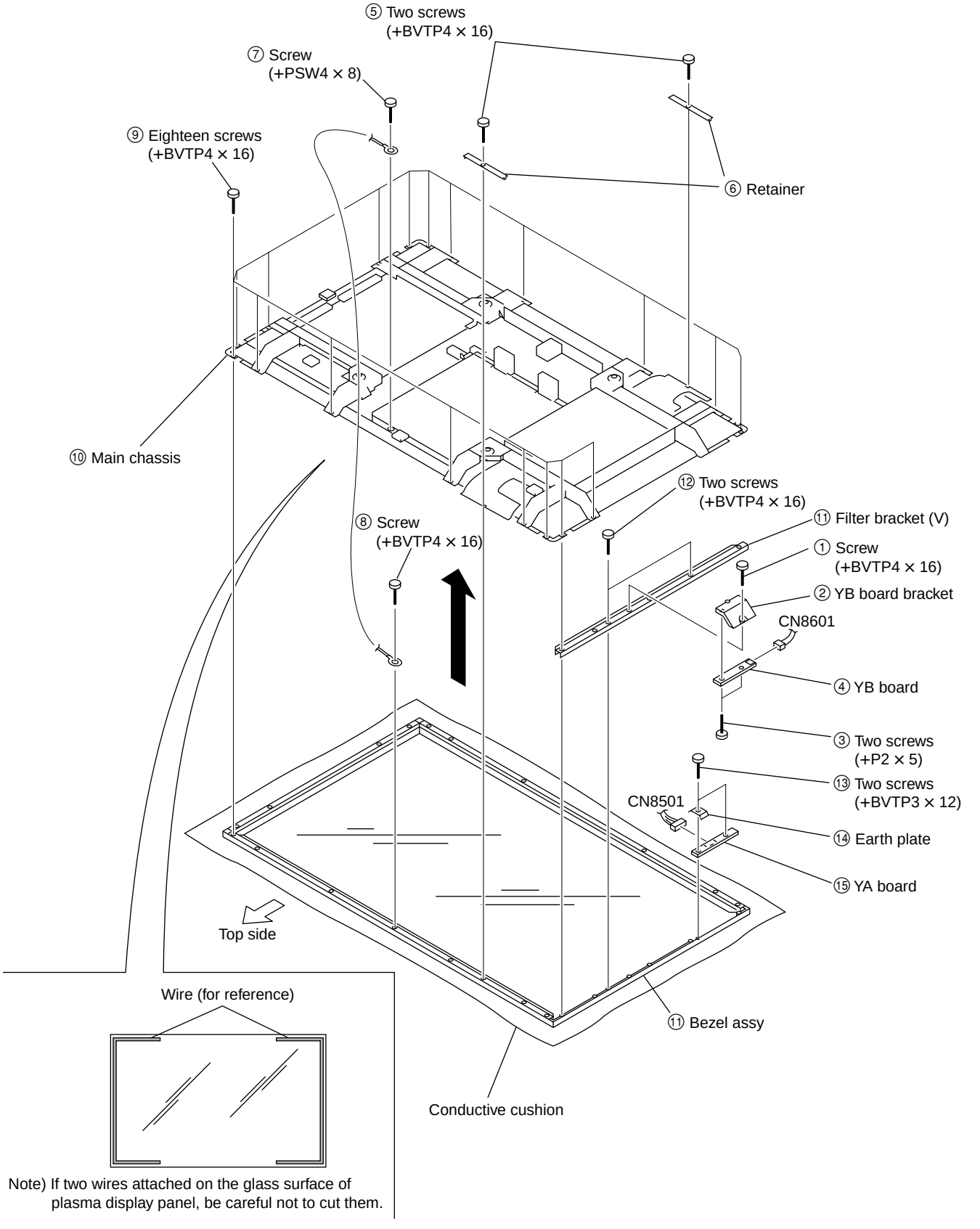
1-2-1. QA Board Removal



1-2-2. Rear Cover Assy Removal

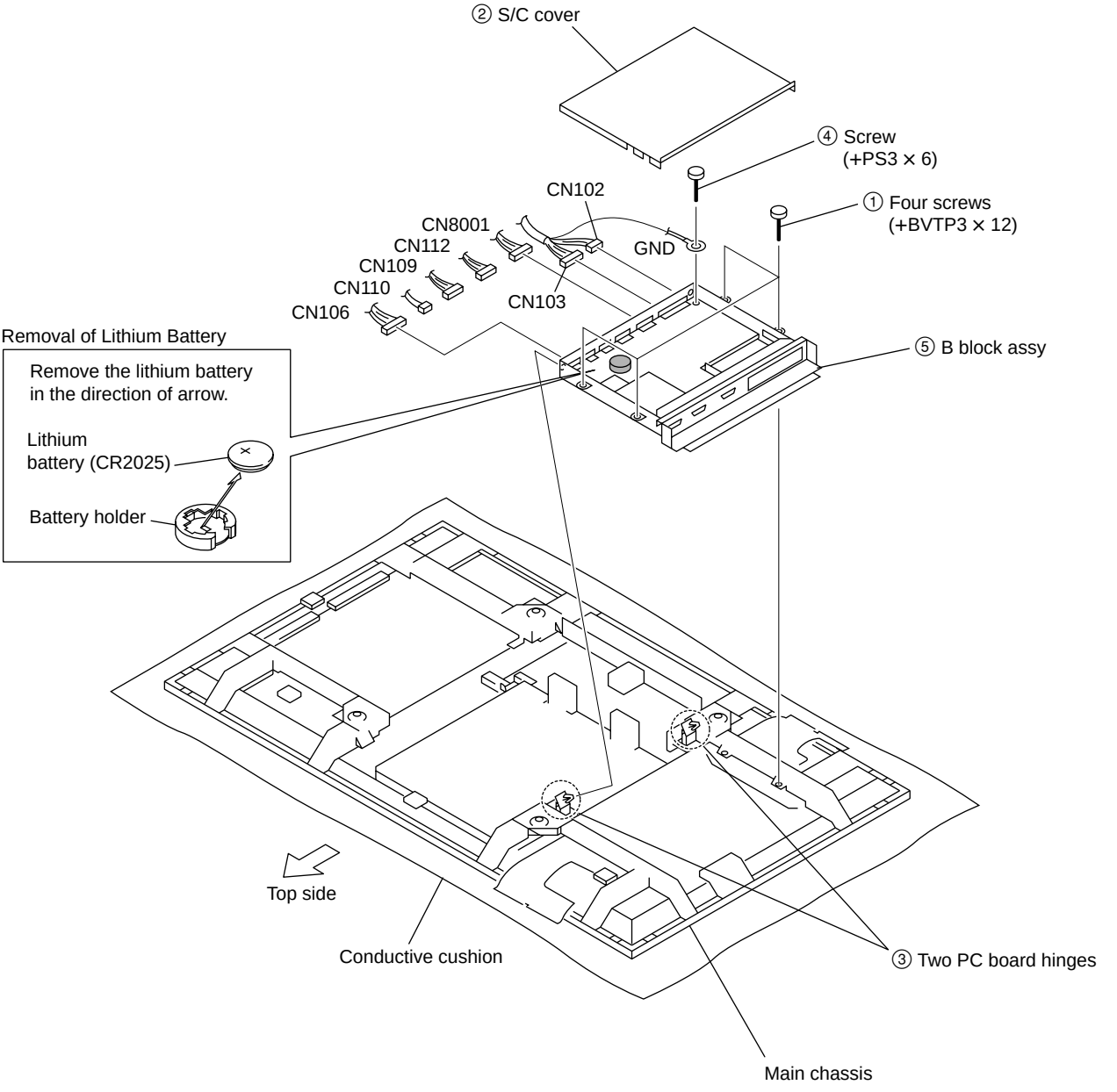


1-2-3. Bezel Assy and YA, YB Boards Removal



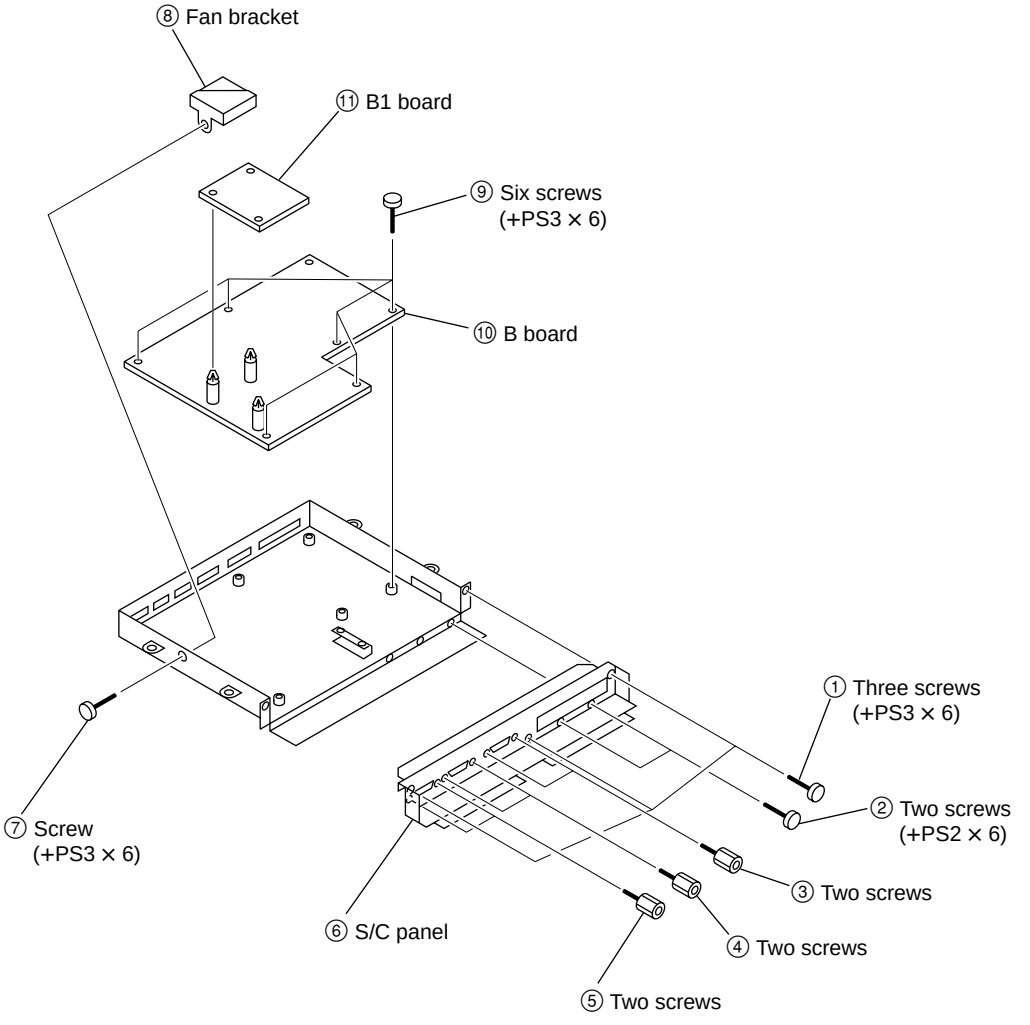
Note) If two wires attached on the glass surface of plasma display panel, be careful not to cut them.

1-2-4. B Block Assy Removal

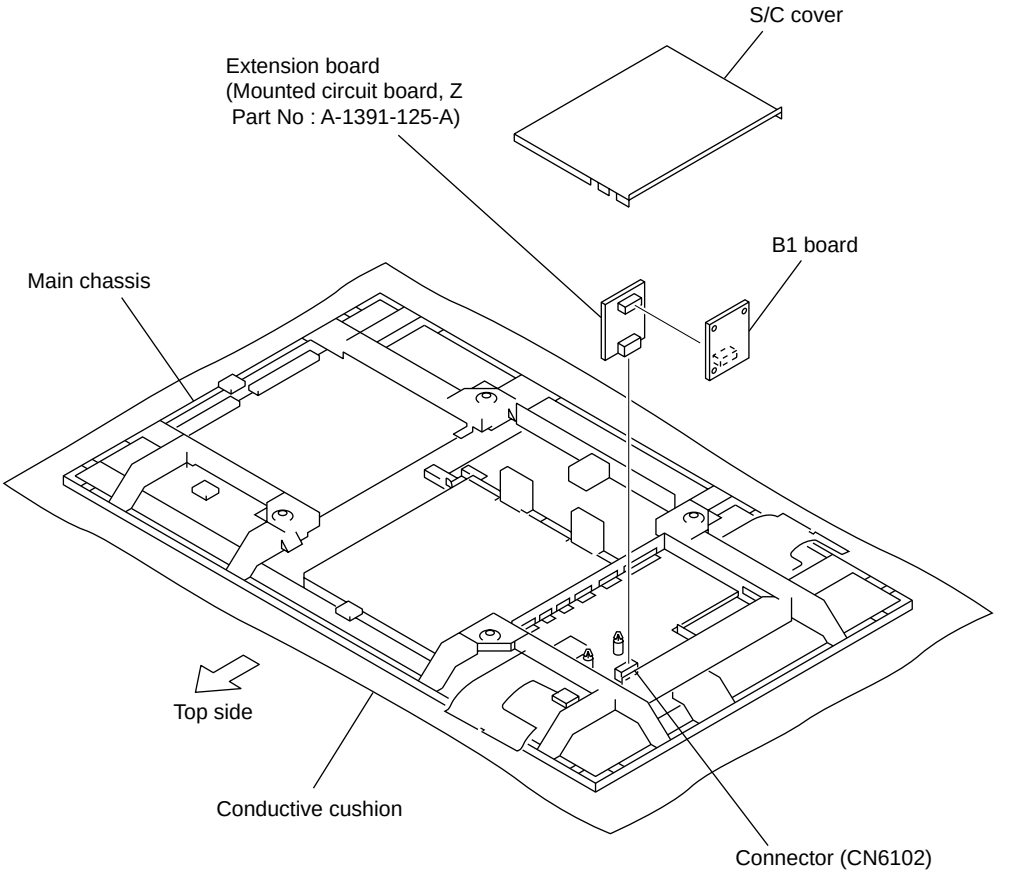


1-2-5. B and B1 Boards Removal

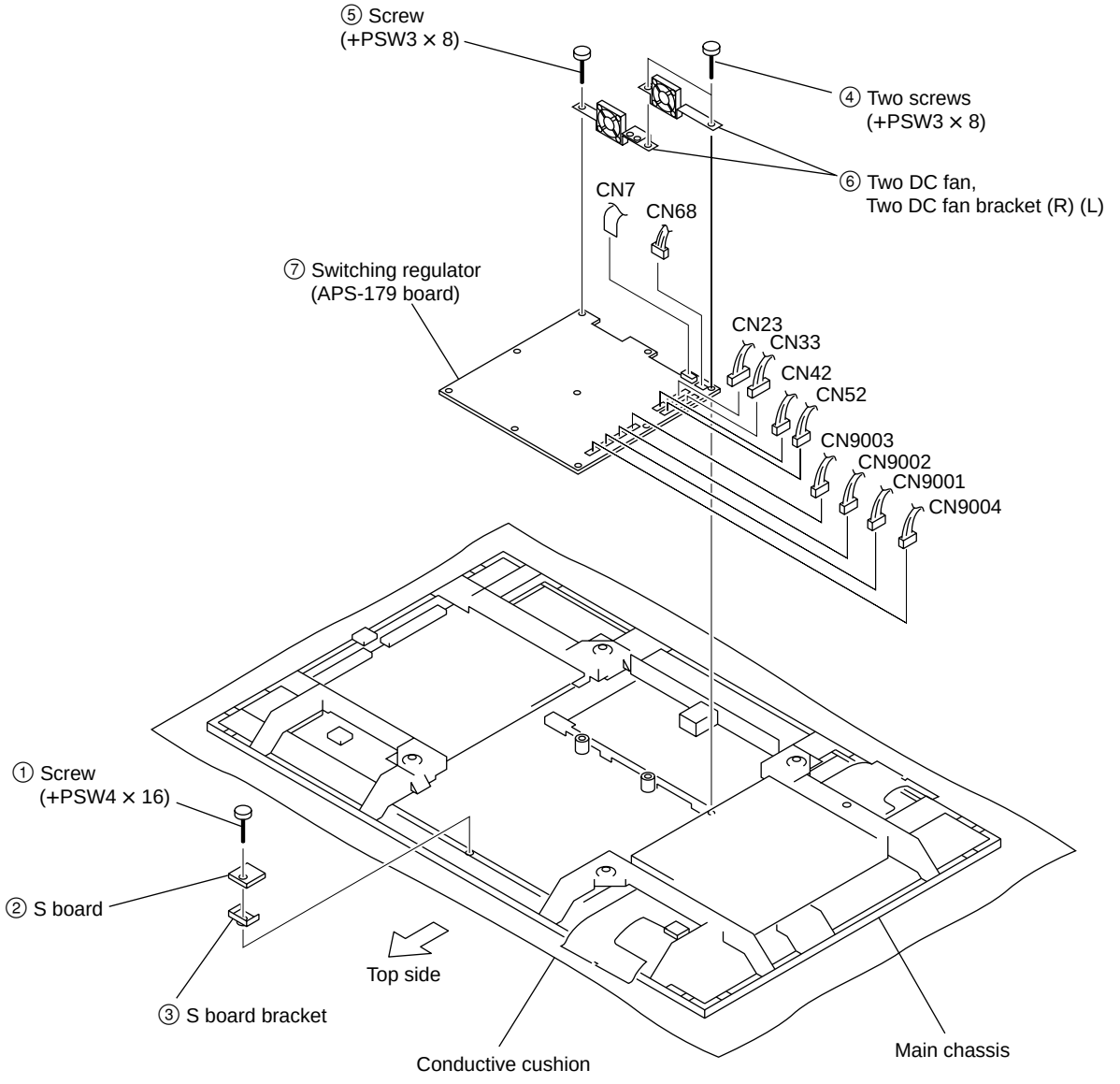
* Remove the B block assy. (Refer to 1-2-4.)



1-2-6. Extension Board Connection



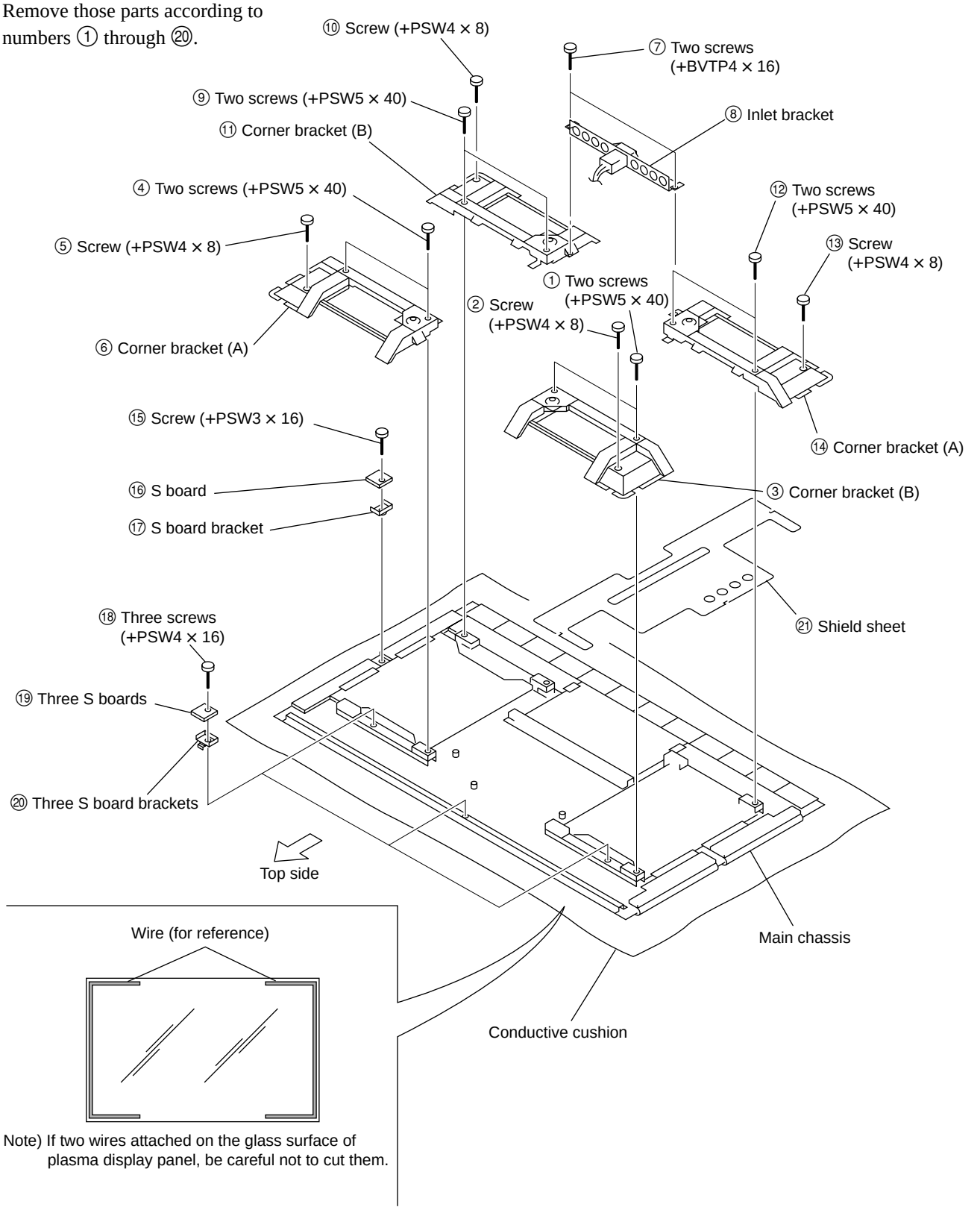
1-2-7. Switching Regulator (APS-179 board) Removal



1-2-8. Plasma Display Panel Unit Removal (1/2)

* Remove the Bezel assy. (Refer to 1-2-3.)
* Remove the B block assy. (Refer to 1-2-4.)
* Remove the switching regulator. (Refer to 1-2-7.)

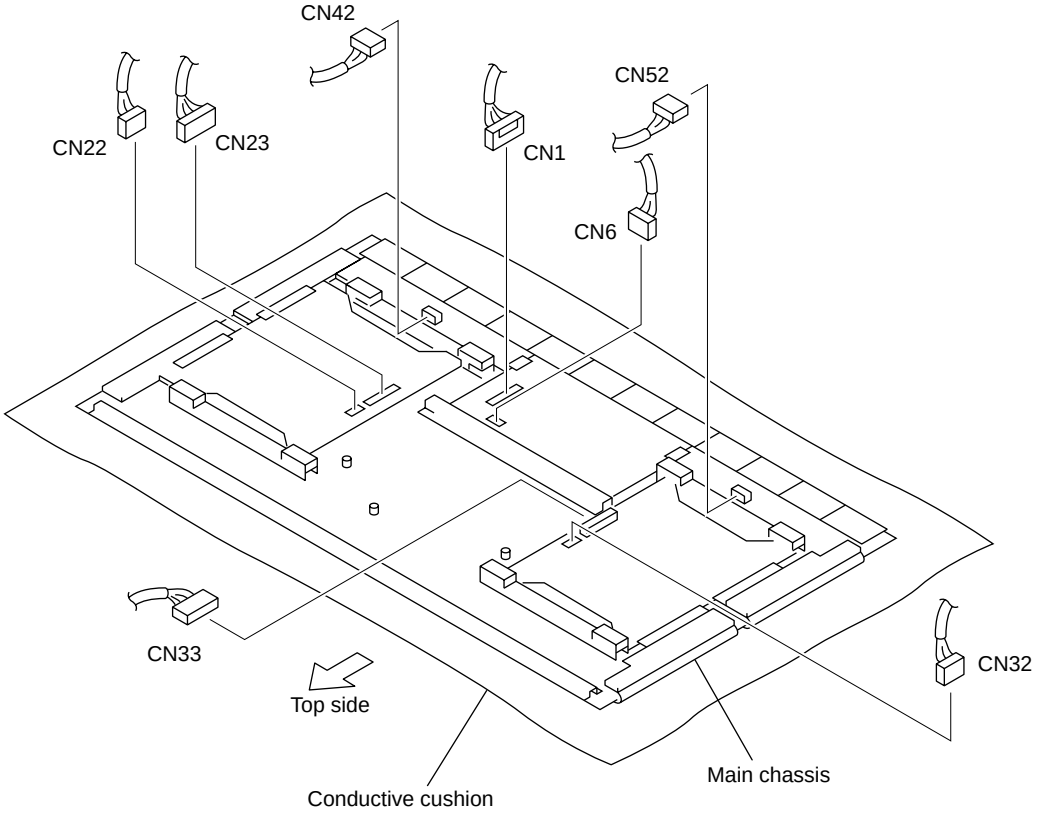
Remove those parts according to numbers ① through ⑳.


⑩ Screw (+PSW4 × 8)
⑦ Two screws (+BVTP4 × 16)
⑨ Two screws (+PSW5 × 40)
⑧ Inlet bracket
⑪ Corner bracket (B)
④ Two screws (+PSW5 × 40)
⑫ Two screws (+PSW5 × 40)
⑤ Screw (+PSW4 × 8)
⑬ Screw (+PSW4 × 8)
① Two screws (+PSW5 × 40)
② Screw (+PSW4 × 8)
⑥ Corner bracket (A)
⑮ Screw (+PSW3 × 16)
⑭ Corner bracket (A)
⑯ S board
③ Corner bracket (B)
⑰ S board bracket
⑱ Three screws (+PSW4 × 16)
⑲ Three S boards
⑳ Three S board brackets
Top side
Wire (for reference)
Main chassis
Conductive cushion

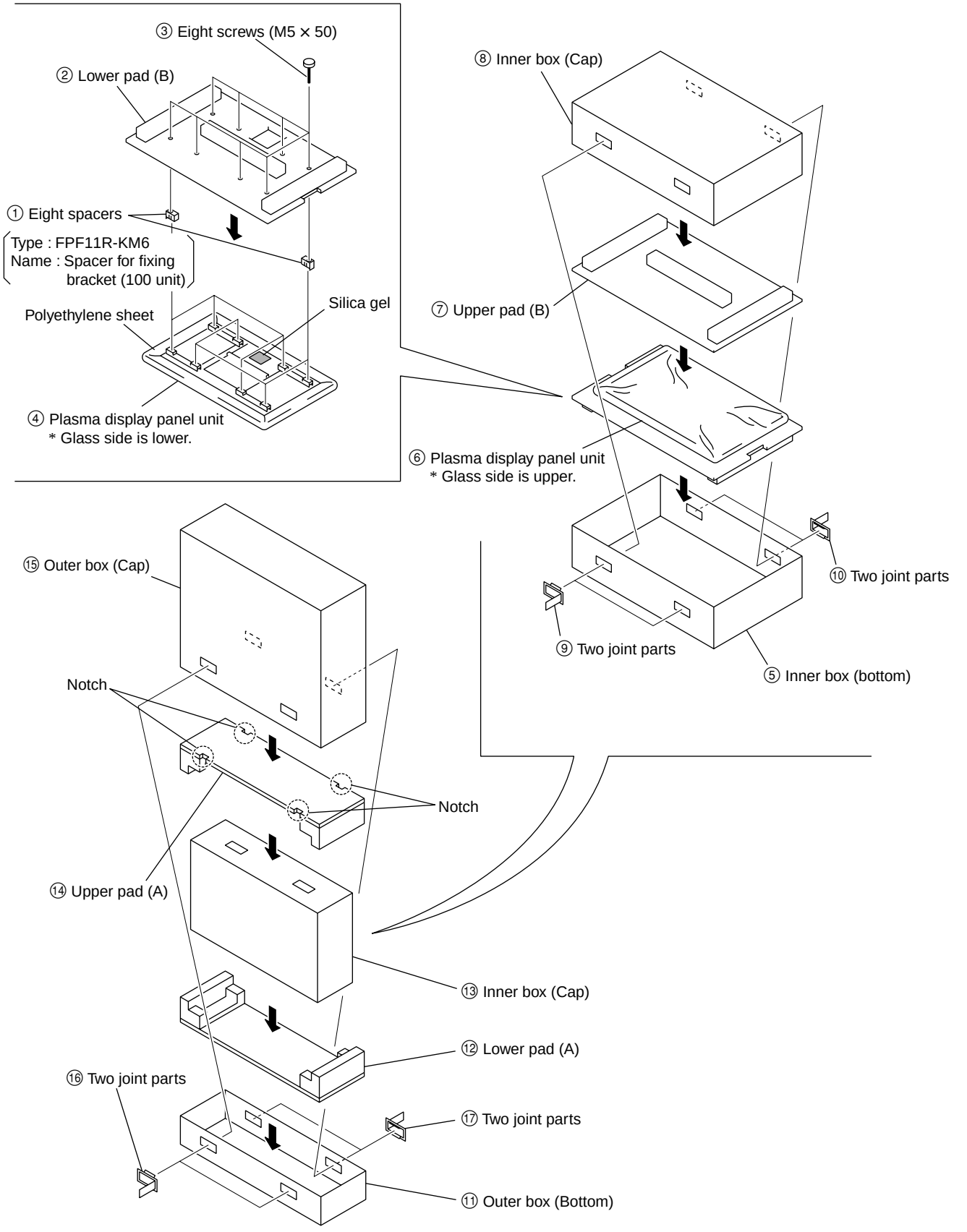
Note) If two wires attached on the glass surface of plasma display panel, be careful not to cut them.

1-2-9. Plasma Display Panel Unit Removal (2/2)

Disconnect all of the connectors specified in the illustration. After that, package it according to Section 1-2-10.



1-2-10. Plasma Display Panel Unit Packing When Sending it to FUJITSU



1-2-11. Power Cord

Warning on power connection

Use the proper power cord for your local power supply.

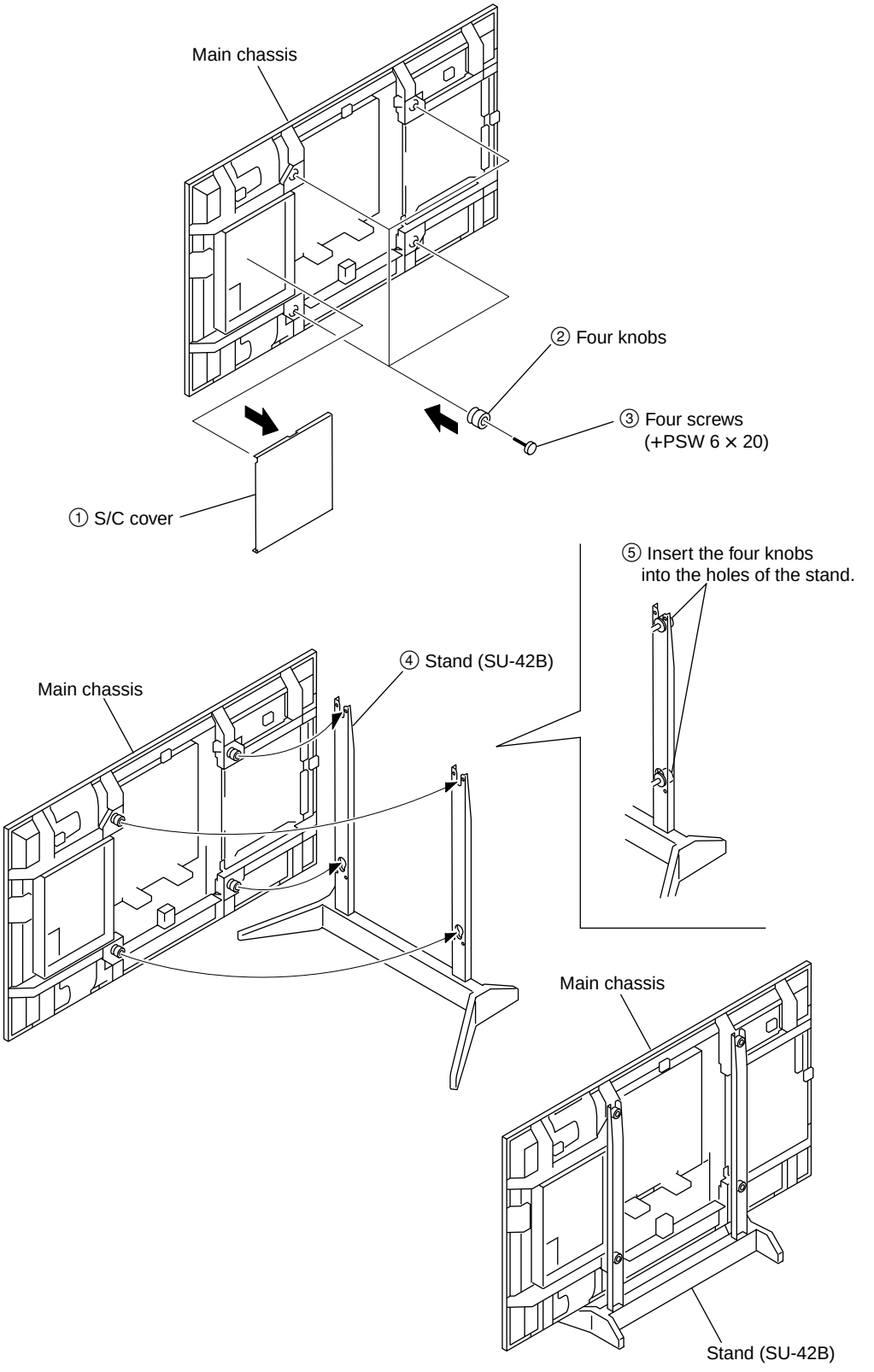
	United States, Canada	Continental Europe		United Kingdom, Ireland, Australia, New Zealand	Japan
Plug type	VM0233	COX-07	636	–[a)]	VM1296
Female end	VM0089	COX-02	VM0310B	VM303B	VM1313
Cord type	SVT	H05VV-F		CEE (13) 53rd (O. C)	HVCTF
Minimum cord set rating	10A/125V	10A/250V		10A/250V	10A/125V
Safety approval	UL/CSA	VDE		VDE	DENTORI

a) Note : Use an appropriate rating plug which is applied to local regulations.

1-3. Service Position

Note

When you are going to set up the PDP panel in the service position, remove the rear cover first, and then set up the PDP panel in the service position.



Section 2
Electrical Adjustments

2-1. Equipment Required

- Oscilloscope
  Tektronix 2465 or equivalent
  (band width : 350 MHz or more)
- VG (Programmable video signal generator)
  VG814 or equivalent
- Frequency counter
  Advantest TR5821AK or equivalent
- Digital voltmeter
  Advantest TR6845 or equivalent
- Potential transformer
- Regulated DC power supply
- Remote commander (RM-42B)

Note

Perform the following adjustments at least 5 minutes after turning on the power.

2-2. Electrical Adjustments Using the Service Mode

The electrical adjustments can be performed using the remote commander RM-42B supplied with the PFM-42B2/B2E. The remote commander has the Service Mode. Select the Service Mode to perform the electrical adjustments as listed below.

• Service Menu

When you enter the Service Mode, the mode menu appears as shown below. The mode menu contains the three menus of MAIN MENU, SERVICE MENU and MANUAL MENU as shown. Select the SERVICE MENU to perform the electrical adjustments.

MODE SELECT

MAIN MENU : This is the user's menu. Use the MAIN MENU when user adjustment items such as operation checks upon completion of adjustments, are going to be made.

SERVICE MENU : This is the menu that is used for electrical adjustments. This section of this manual describes how to use the SERVICE MENU.

MANUAL MENU : This menu is used in production factory. Do not make any attempts to use this menu and do not make any operations using this menu.

SERVICE MENU

EEPROM RESET	Initialization of EEPROM
WHITE BALANCE	Gain adjustment
ADC CALIBRATION	Calibration of A/D converter
VIDEO PROCESSOR	Level adjustment of video processor circuit
SPECIAL FUNCTION	Setting the special functions
PRESET EDIT	Editing the preset signals
MAINTENANCE	Setting the data that are unique to the particular machine
STATUS/TEST	Internal status and function test

How to enter the Service Mode using the RM-42B:
In the STAND-BY state, press the keys in the following order.
DISPLAY → 5 → BRT+ → ON

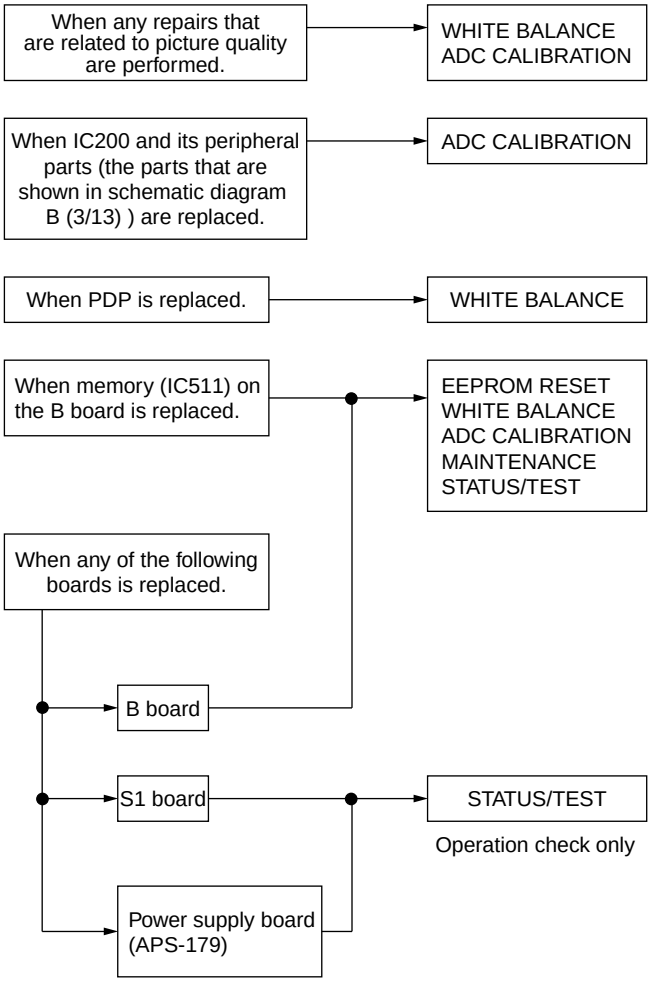
How to enter the Service Mode using the commanders other than RM-42B:
In the STAND-BY state, press the keys in the following order.
DISPLAY → 5 → VOL+ → POWER How to exit the Service Mode :
Press the ON key once and back on to enter the STAND-BY state or turn off the main power to exit the Service Mode.

• Operation of remote commander in the Service Mode

The four keys of MENU, ENTER, SELECT+ and SELECT− are the basic operation keys in the same manner as in the user adjustment. The other keys can be operated in the same manner as in the user adjustment.

• The electrical adjustments using the Service Mode become necessary in the following cases.

When any of the following repairs is performed, adjustment using the service mode becomes necessary.


When any repairs that are related to picture quality are performed.
WHITE BALANCE
ADC CALIBRATION
When IC200 and its peripheral parts (the parts that are shown in schematic diagram B (3/13)) are replaced.
ADC CALIBRATION
When PDP is replaced.
WHITE BALANCE
When memory (IC511) on the B board is replaced.
EEPROM RESET
WHITE BALANCE
ADC CALIBRATION
MAINTENANCE
STATUS/TEST
When any of the following boards is replaced.
B board
S1 board
STATUS/TEST
Operation check only
Power supply board (APS-179)

SERVICE MENU

1. EEPROM RESET

EEPROM Configuration

Table 1 shows the configuration of EEPROM. The entire area or the respective areas of the EEPROM can be separately initialized.

Menu Structure

Select the desired area of EEPROM to be initialized using the following menu.

```
EEPROM RESET
▶WHOLE AREA
  COMMON
  COLOR TEMP
  PROG. PRESET
  FIXED PRESET
  LAST MEMORY
  USER MEMORY
  FACTORY
```

To initialize the desired area, firstly select the desired item from the EEPROM RESET menu. Change the selected item from CANCEL to EXECUTE. Then press ENTER.

a) WHOLE AREA
The entire area of the EEPROM is initialized. Initializing the entire area of the EEPROM has the same result as all menu items of COMMON, COLOR TEMP, PROG. PRESET, FIXED PRESET, LAST MEMORY, USER MEMORY and FACTORY are executed.

b) COMMON
Only the COMMON area of the EEPROM as shown in Table 1 is initialized.
When the COMMON area is initialized, the data that is unique to the particular machine and the common data (CONFIG MENU, REMOTE MENU) are initialized.

c) COLOR TEMP
Only the COLOR TEMP area of the EEPROM as shown in Table 1 is initialized.
When the COLOR TEMP area is initialized, the color temperature data in HIGH, LOW and the user setup data from 1 to 6 are initialized to 255. The users names are also initialized to "1" to "6".

d) PROG. PRESET
Only the PROG. PRESET area of the EEPROM as shown in Table 1 is initialized.
When the PROG. PRESET area is initialized, the preset area (for 20 types) that is reserved as spare is initialized.

e) FIXED PRESET
Only the FIXED PRESET area of the EEPROM as shown in Table 1 is initialized.
When the FIXED PRESET area is initialized, the basic preset area is initialized to the built-in standard value that is stored in the system controller.

f) LAST MEMORY
Only the LAST MEMORY area of the EEPROM as shown in Table 1 is initialized.
When the LAST MEMORY area is initialized, only the last memory data of every signal that is adjusted by user is initialized.

g) USER MEMORY
Only the USER MEMORY area of the EEPROM as shown in Table 1 is initialized.
When the USER MEMORY area is initialized, all of the 20 types of adjustment data that is saved by the MEMORY function of the user menu are initialized to EMPTY.

h) FACTORY
Only the FACTORY area of the EEPROM as shown in Table 1 is initialized.
When the FACTORY area is initialized, all areas of the MEMORY except the areas that are listed below are initialized.

Items that are not initialized by the "FACTORY" RESET function.
- EEPROM ID CODE
- INDEX NUMBER
- MODEL NAME
- SERIAL NUMBER
- AUTO PLL SETUP
- AUTO PLL PIXEL
- H/V SHIFT
- VIDEO SHARP SW
- AUTO FT CANCEL
- WATCH ERROR
- Y GAIN
- R-Y GAIN
- B-Y GAIN
- RED CUTOFF
- BLUE CUTOFF
- GREEN C//O SW
- ADC R GAIN
- ADC G GAIN
- ADC B GAIN
- ADC R BIAS
- ADC G BIAS
- ADC B BIAS
- RED GAIN
- GREEN GAIN
- BLUE GAIN
- SUB BRIGHT

2. WHITE BALANCE

Menu Structure

Adjust the white balance of the desired color temperature by selecting the items of the WHITE BALANCE menu and by adjusting the R, G, B gain.

```
WHITE BALANCE
▶WINDOW       : OFF
 COLOR TEMP   : HIGH
 RED GAIN     : 103
 GREEN GAIN   : 141
 BLUE GAIN    : 128
 SUB BRIGHT   : 151
```

a) WINDOW
The PFM-42B2/B2E has the built-in window signal for white balance adjustment. There are two sizes that are the large and small windows. Select the optimum size of window for white balance adjustment.
OFF : Window does not appear.
TYPE1 : Small window
TYPE2 : Large widow

Note

When white balance is going to be adjusted using an external signal, perform the A/D converter calibration (referring to the next paragraph 3) ADC CALIBRATION) before starting the white balance adjustment.

b) COLOR TEMP
To adjust the white balance, firstly select the desired color temperature from HIGH, LOW, 1, 2, 3, 4, 5 or 6 on the COLOR TEMP sub-menu. Color temperature of items 1 to 6 are the same as those of the user menu.

c) RED GAIN
Adjust the red gain of the selected color temperature.
The range of adjustment is from 000 to 255.

d) GREEN GAIN
Adjust the green gain of the selected color temperature.
The range of adjustment is from 000 to 255.

e) BLUE GAIN
Adjust the red blue of the selected color temperature.
The range of adjustment is from 000 to 255.

White Balance Adjustment

Refer to section "2-3. White Balance Adjustment".

3. ADC CALIBRATION

Menu Structure

Calibrate the A/D converter (IC200) until non-uniformity between the R, G and B channels of the A/D converter is removed.

```
ADC CALIBRATION
▶AUTO
 CAL MODE     : OFF
 RED GAIN     : 128
 GREEN GAIN   : 128
 BLUE GAIN    : 128
 RED BIAS     : 128
 GREEN BIAS   : 128
 BLUE BIAS    : 128

 R : — — —  G : — — —  B : — — —
```

a) AUTO
The A/D converter is automatically calibrated.

Note

When sufficient adjustment accuracy cannot be obtained by the automatic calibration, perform basically the manual calibration using the following ADC CALIBRATION menu items.

b) CAL MODE
The A/D converter has the calibration mode as its operating mode as follows.
* The A/D converter has the R, G, B GAIN adjustments and the R, G, B BIAS adjustments. The GAIN adjustments of the A/D converter are used for CONTRAST adjustment in the machine. The R, G, B BIAS adjustments of the A/D converter are used for BRIGHTNESS adjustment in the machine.

CAL MODE - OFF : Standard display state
The R, G, B GAIN values and the R, G, B BIAS values are controlled by the CONTRAST/BRIGHT data of the user menu. The R, G, B GAIN values and the R, G, B BIAS values of this menu cannot be adjusted independently.
CAL MODE - OFF : Calibration mode
The R, G, B GAIN values and the R, G, B BIAS values of this menu can be adjusted independently. The R, G, B data that appear in the most-bottom part of the menu in cyan, change from the indication "———" to the indication of any digital output data of the A/D converter.

c) RED GAIN/GREEN GAIN/BLUE GAIN
The respective R, G, B GAIN values can be adjusted independently.
The range of adjustment is from 000 to 255.

d) RED BIAS/GREEN BIAS/BLUE BIAS
The respective R, G, B BIAS values can be adjusted independently.
The range of adjustment is from 000 to 255.

A/D Calibration Adjustment

Refer to section “2-4. A/D Calibration Adjustment”.

4. VIDEO PROCESSOR

Menu Structure

The following items of the video processor can be adjusted using this menu. However, all items of the video processor have the default values on which normal operations are performed. Therefore, the video processor normally needs no adjustment.

```
VIDEO PROCESSOR
▶Y GAIN          :  111
  R-Y GAIN       :  082
  B-Y GAIN       :  128
  RED CUTOFF     :  143
  BLUE CUTOFF    :  100
  GREEN C/O  SW  :  ON
```

a) Y GAIN
The range of adjustment is from 000 to 255.
Default value : 111

b) R-Y GAIN
The range of adjustment is from 000 to 255.
Default value : 082

c) B-Y GAIN
The range of adjustment is from 000 to 255.
Default value : 128

d) RED CUTOFF
The range of adjustment is from 000 to 255.
Default value : 143

e) BLUE CUTOFF
The range of adjustment is from 000 to 255.
Default value : 100

f) GREEN C/O SW
This switch is set to ON normally.
However, if white balance cannot be obtained at the CUTOFF position, set this switch to the OFF position and adjust the white balance.

Video Processor Adjustment

Refer to section “2-5. Video Processor Adjustment”.
(Perform the service menu adjustment of the video processor only when the specifications cannot be satisfied by section “2-5. Video Processor Adjustment”.)

5. SPECIAL FUNCTION

Menu Structure

Various special functions as listed in the SPECIAL FUNCTION menu can be independently set as required.

```
SPECIAL FUNCTION
▶AUTO ASPECT
  AUTO PLL SETUP
  AUTO PLL PIXEL
  H/V SHIFT
  VIDEO SHARP SW
  AUTO FT CANCEL
```

a) AUTO ASPECT (Japanese Model only)
When the BKM-B11 is installed, the aspect ratio is automatically switched by the identification signal at the D terminal.
ON : Aspect ratio is automatically switched by the identification signal
OFF : Automatic switching of aspect ratio is prohibited.
Set the AUTO ASPECT item to the ON position normally.

b) AUTO PLL SETUP
Sets enable/disable of automatic execution of the PIXEL ADJUST function.
ON : When the AUTO PLL SETUP is set to ON, the PIXEL ADJUST is automatically executed when the main power is turned on or when the input signal is switched. (Be noted that about 10 seconds are required to output the video signal after switching the input signal when this function is kept to the ON position.)
OFF : The automatic PIXEL ADJUST is executed only when AUTO item of the user menu PIXEL ADJUST is activated.
This function becomes valid only when the signal that enables the PIXEL ADJUST is inputted to the PFM-42B2/B2E.
Set the AUTO PLL SETUP item to the OFF position normally.

c) AUTO PLL PIXEL

Selects the functions that are automatically adjusted when PIXEL ADJUST is executed.

ON : Both the TOTAL H PIXEL and DOT PHASE are automatically adjusted.

OFF : Only the DOT PHASE is automatically adjusted.

In the case that the PFM-42B2/B2E is used under the environment where input signal contains much noise, there are cases that the PIXEL ADJUST mis-operations. Therefore, set the AUTO PLL PIXEL to the OFF position. In such a case, the TOTAL H PIXEL can be adjusted only manually.

This function becomes valid only when the signal that enables the PIXEL ADJUST is inputted to the PFM-42B2/B2E.

Set the AUTO PLL PIXEL item to the ON position normally.

d) H/V SHIFT

Selects the method to control the horizontal and vertical picture shift.

EDGE : When EDGE is selected, a picture is shifted by changing the starting position when reading data into memory. Using this function, the entire area including blanking of all pictures can be displayed by shifting. The variable range of shifting is 1 horizontal and vertical period respectively.

CAPT : When CAPT is selected, the picture that is already written into memory is shifted by a scan converter. Using this function, a picture can be shifted as much as ± 50 % of a picture. When a picture is partly lacked at an end of a picture, the lacked portion of a picture cannot be displayed.

Set the H/V SHIFT item to the EDGE position normally.

e) VIDEO SHARP SW

Sets analog aperture ON or OFF.

The two methods are used for the aperture correction of the video signals (NTSC/PAL/SECAM/NTSC4.43/PAL60/PAL-M and YUV signal having horizontal frequency of 15 kHz). These two methods are the scaling filter and the analog aperture of the scan converter.

ON : Both the scaling filter and the analog aperture of the scan converter are used for aperture correction.

OFF : Only the scaling of the scan converter is used for aperture correction.

This function becomes valid only when the signal (NTSC/PAL/SECAM/NTSC4.43/PAL60/PAL-M and YUV signal having horizontal frequency of 15 kHz) is inputted to the PFM-42B2/B2E.

Set the VIDEO SHARP SW item to the ON position normally.

f) AUTO FT CANCEL

Sets the FT (field tearing) cancel circuit ON or OFF.

The PFM-42B2/B2E has the FT (field tearing) prevention circuit caused by the overrun of memory while it is displaying the moving picture (video and DTV). However, there can be cases that noise appears on screen when the FT (field tearing) prevention is being executed.

ON : The FT (field tearing) is cancelled in every picture size and in every shift conditions as long as the PFM-42B2/B2E is receiving the moving picture. When this item is set to ON, noise may appear only once after the size/shift is adjusted. (Noise does not last long but appears only once when the size/shift adjustment is complete.)

OFF : The FT (field tearing) cancel circuit is disabled. When OFF is selected, there can be a case that the FT (field tearing) appears on screen depending on the adjustment conditions of picture size/shift. However, the noise due to operation of the processing circuit does not occur.

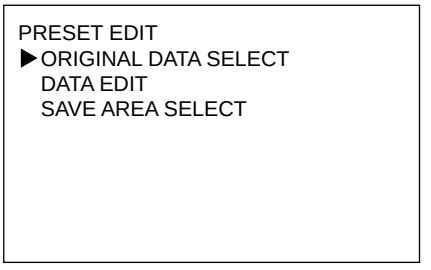
Set the AUTO FT CANCEL item to the ON position normally.

6. PRESET EDIT

Preset Data Configuration

Memory map of the preset data area is shown in Table 1 (PROG. PRESET/FIXED PRESET). The areas from 1 to 20 are assigned to store the additional signal. The areas from 21 to 74 are assigned to store the internal signal.

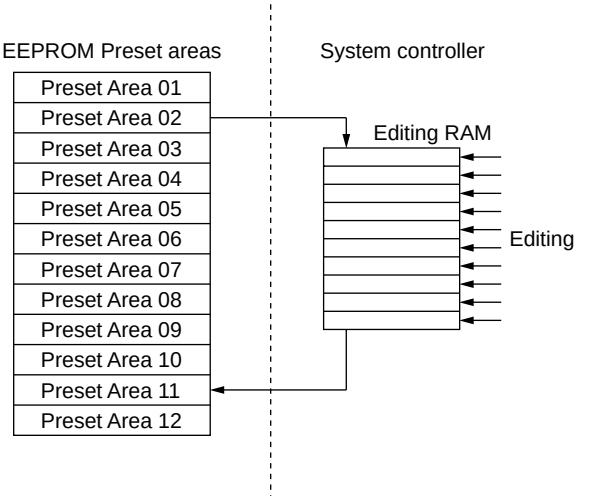
Menu Structure



How To Edit The Preset Data

As shown in the illustration, the system controller contains the memory area (i.e., Editing RAM) that is assigned only for data editing. The source data that is used for editing must be firstly copied to the Editing RAM. Edit then the copied data as desired. Finally save the result of editing in the specified preset area of the EEPROM.

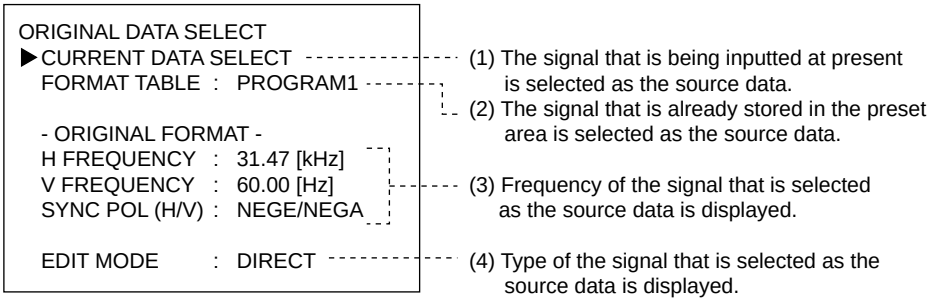
(The illustration shows an example that the data in the preset area No. 02 is once copied to the Editing RAM where data is edited. The edited data is sent back to the preset area No. 11 where the edited data is saved.)



a) ORIGINAL DATA SELECT

Menu Structure

Select the source data that is used for editing. Then the selected source data is copied to the Editing RAM.


ORIGINAL DATA SELECT
▶CURRENT DATA SELECT
FORMAT TABLE : PROGRAM1
- ORIGINAL FORMAT -
H FREQUENCY : 31.47 [kHz]
V FREQUENCY : 60.00 [Hz]
SYNC POL (H/V) : NEGE/NEGA
EDIT MODE : DIRECT
(1) The signal that is being inputted at present is selected as the source data.
(2) The signal that is already stored in the preset area is selected as the source data.
(3) Frequency of the signal that is selected as the source data is displayed.
(4) Type of the signal that is selected as the source data is displayed.

(1) CURRENT DATA SELECT
When an editing is performed using the signal that is being inputted at present is selected as the source data, move the cursor to this item and press ENTER. The selected data is copied to the Editing RAM.

(2) FORMAT TABLE : PROGRAM 1
When an editing is performed using the signal that is already stored in the preset area is selected as the source data, move the cursor to this item and press ENTER. Select the desired area from Table 1 by pressing the +/− keys. The selected data is copied to the Editing RAM.

(3) - ORIGINAL FORMAT -
Frequency of the signal that is selected as the source data in step (1) or (2) is displayed.
Use the frequency data as the fundamental information when selecting a source data.

(4) EDIT MODE
When the signal that is being inputted at present is selected as the source data, the message DIRECT appears. When the signal that is already stored in the preset area is selected as the source data, the message TABLE appears.

Note

The editing items that can be editing here are different in the DIRECT mode and the TABLE mode. Refer to the next sub-section "b) DATA EDIT" for the editing items.

< When DIRECT mode is used for editing >
… The DIRECT mode is used when editing is performed while watching the picture on screen in the case that the specifications of the signal are not known. …
When DIRECT mode is selected, select the desired adjustment item referring to the next sub-section "b) DATA EDIT" by pressing the +/− keys. Press the ENTER key. Then the result of data adjustment is reflected on the display screen. (Pressing the MENU key returns to the previous menu display.)
However, the three adjustment items H FREQUENCY, V FREQUENCY and SYNC POL cannot be changed by the menu operation.

< When TABLE mode is used for editing >
… The TABLE mode is used when the specifications of the signal to edit are already known. …
All adjustment items adjusted by the menu but result of adjustment is not reflected on the actual picture. Data can be edited only.

b) DATA EDIT

Menu Structure

The following items of the source data that is copied to the Editing RAM can be modified as described below.

```
DATA EDIT
▶INPUT SELECT      : 01100000 ---------- (1) Acceptable type of input signal
 INPUT SELECT2     : 00000101
 H FREQUENCY       : 31.47 [kHz] ------- (2) Horizontal frequency
 V FREQUENCY       : 60.00 [Hz] -------- (3) Vertical frequency
 SYNC POL (H/V)    : NEGA/NEGA --------- (4) Sync signal polarity
 TOTAL H PIXEL     : 800 --------------- (5) Total number of horizontal dots
 LEFT EDGE         : 140 --------------- (6) Horizontal dot position to start reading
 H RESOLUTION      : 640 --------------- (7) Horizontal resolution (Number of dots)
 TOP EDGE          : 35 ---------------- (8) Vertical dot position to start reading
 V RESOLUTION      : 480 --------------- (9) Vertical resolution (Number of dots)
 DOT PHASE         : 128 --------------- (10) Dot phase
 CP PLACEMENT      : 005 --------------- (11) Clamp pulse width (Number of dots)
 CP DURATION       : 016 --------------- (12) Clamp pulse position (Number of dots)
 INTERLACE MODE    : OFF --------------- (13) Interlace setting
 FILED MODE        : OFF --------------- (14) In-field processing setting
 FRAMELOCK MODE    : OFF --------------- (15) Vertical sync setting
 MATRIX SELECT     : ITU709 ------------ (16) Color difference matrix setting
 PICTURE AGC       : ON ---------------- (17) Automatic brightness adjustment setting
 ASPECT            : 4 × 3 ------------- (18) Aspect ratio setting
 ZOOM              : × 1 --------------- (19) Zoom setting
 APERTURE INIT     : MID --------------- (20) Aperture initial value setting
 APERTURE HIGH     : 000 --------------- (21) Aperture data setting
 APERTURE MID      : 002 --------------- (22) Aperture data setting
 APERTURE LOW      : 004 --------------- (23) Aperture data setting
 AUTO PLL          : ON ---------------- (24) Automatic PIXEL ADJUST setting
 SYNC WIDTH (µs)   : 003.81 ------------ (25) Horizontal sync signal width
```

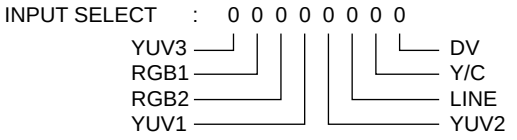
Note

A maximum of 8 lines of the above menu can be displayed on screen. The other menu items can be displayed by scrolling the display by moving the cursor up or down.

(1) INPUT SELECT

The input signals that are acceptable to the PFM-42B2/B2E are set.

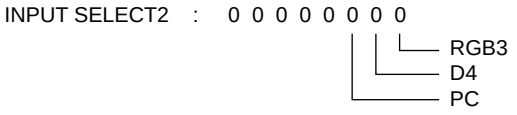
This item consists of 8 bits. Each bit corresponds to each type of input signal. Only the input channel to which "1" is set, can be received by the PFM-42B2/B2E.



Note

Regarding the LINE and Y/C input channels, these signals having horizontal frequency of 15 kHz can be inputted. Because these input signals pass through the double-speed processing circuit in the PFM-42B2/B2E circuit configuration, do not use the LINE and Y/C input channels.

(2) INPUT SELECT 2



(3) H FREQUENCY

The horizontal frequency is set.

Note

This menu item cannot be modified in the DIRECT mode because the DIRECT mode can edit the signal that is being inputted at present.

(4) V FREQUENCY

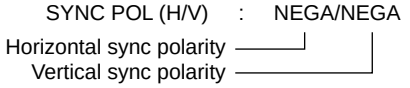
The vertical frequency is set.

Note

This menu item cannot be modified in the DIRECT mode because the DIRECT mode can edit the signal that is being inputted at present.

(5) SYNC POL (H/V)

Polarity of sync signal is set.



To set the polarity, select as follows:

Negative polarity : NEGA

Positive polarity : POSI

SOG : ---

Note

This menu item cannot be modified in the DIRECT mode because the DIRECT mode can edit the signal that is being inputted at present.

(6) TOTAL H PIXEL

The total number of dots in a horizontal period is set. The number of dots that is set here becomes the initial value of the user menu "TOTAL H PIXEL".

Note

Set the total number of dots to satisfy the following conditions.

TOTAL H PIXEL > [LEFT EDGE + H RESOLUTION]

(7) LEFT EDGE

The horizontal sync width (in dots) + horizontal back porch width (in dots) are set.

(8) H RESOLUTION

Horizontal resolution power is set.

Note

When 1280 or more is set to the horizontal resolution, picture may not be displayed normally on screen. When a signal that has the higher resolution than the SXGA signal, is going to be preset, reduce the number of horizontal resolution by skipping or any other means down to 1280 or less.

(9) TOP EDGE

The vertical sync width (in lines) + vertical back porch width (in lines) are set.

Note

Set the TOP EDGE value to satisfy the following conditions.

[TOP EDGE +V RESOLUTION] < [horizontal frequency +vertical frequency]

(10) V RESOLUTION

The vertical resolution is set.

Note

Set the V RESOLUTION value to satisfy the following conditions.

[TOP EDGE +V RESOLUTION] < [horizontal frequency +vertical frequency]

(11) DOT PHASE

Pulse phase of the horizontal sampling frequency is set.

The pulse phase that is set here becomes the initial value of DOT PHASE of the user menu.

The pulse phase can be set in the range of 000 to 255.

(12)CP PLACEMENT

Clamp pulse position is set.
The clamp pulse position is set starting from the trailing edge of horizontal sync signal (when data is 000). Increasing this value moves the clamp pulse in the direction toward the picture area.

The clamp pulse generating position "Tcp" is given by the following equation starting from the trailing edge of horizontal sync signal.
Tcp = CP PLACEMENT / [horizontal sync frequency × TOTAL H PIXEL] (in seconds)

(13)CP DURATION

Clamp pulse width is set.
The clamp pulse width is set starting from the position that is determined by CP PLACEMENT. Increasing this value widens the clamp pulse width in the direction toward the picture area.

The clamp pulse width "Wcp" is given by the following.
Wcp = CP DURATION / [horizontal sync frequency × TOTAL H PIXEL] (in seconds)

(14)INTERLACE MODE

Whether the input signal is interlaced or not is set.
ON : When the input signal is the interlaced signal.
OFF : When the input signal is not the interlaced signal.

(15)FIELD MODE

Whether the interlaced signal is processed within a field or within a frame, is set.
ON : When the input interlaced signal is processed within a field.
OFF : When the interlaced signal is processed within a frame.
Select the ON position when a signal has a low co-relationship between the two fields within a frame such as moving picture.

(16)FRAMELOCK MODE

Whether the PDP display picture is synchronized with the input signal to scan converter or not, is set.
ON : The PDP display picture is synchronized with the input signal.
OFF : The PDP display picture is asynchronous with the input signal.
When moving picture (animation) is going be displayed, select the ON position.

Note

This item can be set to ON as long as the vertical frequency of the input signal is in the range of 50 to 60 Hz.

(17)MATRIX SELECT

The color difference matrix when the YUV signal is being input, is set.

MATRIX SELECT : ITU601

MATRIX SELECT : ITU709

(18)PICTURE AGC

Whether the PICTURE AGC is turned ON or OFF is set.
Result of this setting becomes the initial value of the user menu PICTURE AGC.
This function becomes valid only when the COMPOSITE/YC/YUV signal is being received.

(19)ASPECT

The desired aspect ratio is selected from the aspect ratios of 4 × 3 or 16 × 9 or W ZOOM or LB ZOOM.
Result of this setting becomes the initial value of the user menu ASPECT.

Note

The W ZOOM, can not be selected when the ZOOM is in the range of x 2 to x 4.

(20)ZOOM

The desired zoom ratio is selected from the zoom ratios of × 1 or × 2 or × 3 or × 4. Result of this setting becomes the initial value of the user menu ZOOM.

Note

Any zoom ratios other than x 1 cannot be selected when the ASPECT is W ZOOM, LB ZOOM.

(21)APERTURE INIT

The desired aperture is selected from HIGH or MID or LOW. Result of this setting becomes the initial value of the user menu APERTURE.

(22)APERTURE HIGH

The scaling filter value when selecting HIGH of the APERTURE, is set. The scaling filter value can be set in the range of 000 to 011. (Refer to the Supplement to APERTURE in the following paragraph.)

(23)APERTURE MID

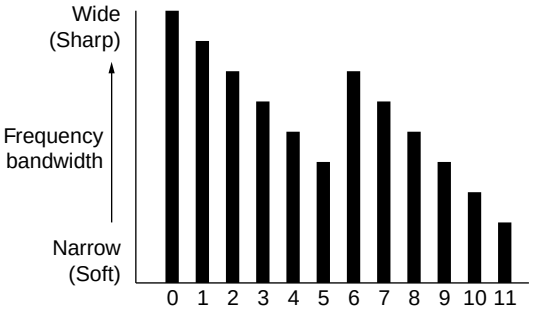
The scaling filter value when selecting MID of the APERTURE, is set. The scaling filter value can be set in the range of 000 to 011. (Refer to the Supplement to APERTURE in the following paragraph.)

(24)APERTURE LOW

The scaling filter value when selecting LOW of the APERTURE, is set. The scaling filter value can be set in the range of 000 to 011. (Refer to the Supplement to APERTURE in the following paragraph.)

< Supplement to APERTURE >

The PFM-42B2/B2E has the 12 different types of built-in scaling filter. Select an appropriate filter using the following filter characteristics chart as a guideline.



(25) AUTO PLL

Whether the user menu adjustment PIXEL ADJUST is enabled or disabled, is set.

ON : The user menu adjustment PIXEL ADJUST is enabled.

OFF : All items of the adjustment PIXEL ADJUST show the indication [−−−]. The user menu adjustment PIXEL ADJUST is disabled.

Select the OFF position when the setup of the TOTAL H and that of RESOLUTION do not agree with specifications of the actual input signal.

(26)SYNC WIDTH (µs)

Sync pulse width of the horizontal sync signal is set in units of microseconds [µseconds].

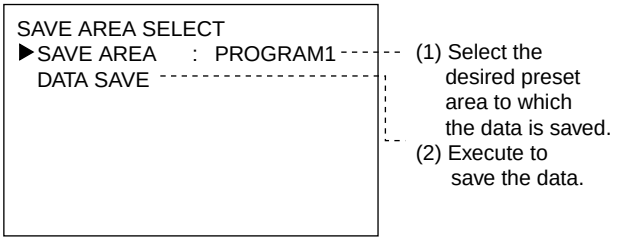
This menu item is prepared for the purpose of stabilization of the sync signal separation circuit. Therefore, accurate setting is not necessarily needed.

If the sync signal width is not known, select “Not set” (source data).

c) SAVE AREA SELECT

Menu Structure

The data that is copied in the Editing RAM, is saved in the preset area.


SAVE AREA SELECT
▶SAVE AREA : PROGRAM1
DATA SAVE
(1) Select the desired preset area to which the data is saved.
(2) Execute to save the data.

(1) SAVE AREA SELECT

Select the desired preset area from Table 1 to which the content of the Editing RAM is saved.

(2) DATA SAVE

Execute to save the data to the preset area that is selected by the SAVE AREA SELECT. Change the item from CANCEL to EXECUTE. Then press ENTER.

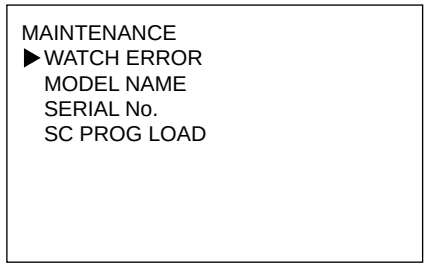
Note

Judgment whether the input signal agrees with the preset data or not, is performed using the horizontal sync frequency, vertical sync frequency and polarity of the sync signals. If the same sync signal already exists in the preset area (Table 1), the specification that has the small preset No., has a higher priority.

7. MAINTENANCE

Menu Structure

The data that is unique to the particular machine of the PFM-42B2/B2E and the scan converter can be upgraded using this menu.



a) WATCH ERROR

Errors of the built-in watch IC can be corrected.
To correct the error, enter the measurement value of the frequency counter that is connected.
Range of adjustment is from 32761.85 Hz to 32774.25 Hz.

b) MODEL NAME

Model name can be set.

c) SERIAL No.

Serial number can be set.

d) SC PROG LOAD

The built-in program of the scan converter can be modified using this menu item.
Change the item from CANCEL to EXECUTE. Then press ENTER.

Watch Error Adjustment

Refer to section “2-6. Watch Error Adjustment”.

8. STATUS/TEST

Menu Structure

The internal status of the PFM-42B2/B2E can be checked and its functions can be checked using the STATUS/TEST menu.

```
STATUS/TEST
▶SIGNAL/SYNC
  POWER SUPPLY
  TEMPERATURE
  FAN
  OTHERS
  SOFTWARE VERSION
  TEST FUNCTION
```

a) SIGNAL/SYNC

```
SIGNAL/SYNC
  H FREQUENCY  :  31.47 [kHz] ---------- Horizontal frequency
  V FREQUENCY  :  60.00 [Hz] ---------- Vertical frequency
  FORMAT       :  640 × 480/60 -------- Specifications of
  SYNC POL (H/V) : NEGA/NEGA ---------- the signal
      STABLE                           -- Polarity of sync signal
      INSECURE  ---------------------- Status of sync signal
      NO SYNC
```

Information regarding the sync signal of the input signal is displayed.

Horizontal frequency :
Horizontal frequency of the input signal is displayed in four digits.
Vertical frequency :
Vertical frequency of the input signal is displayed in four digits.
Specifications of the signal :
Names of presets of the preset areas (Table 1) corresponding to input signal are displayed.
Polarity of sync signal :
Polarity of sync signal is displayed.
Status of sync signal :
Status of sync signal is displayed in cyan.

STABLE	: Sync signal is stable.
INSECURE	: Sync signal is unstable.
NO SYNC	: Sync signal does not exist.

b) POWER SUPPLY

```
POWER SUPPLY
  PDP VS (HV)   :  080 [V] ------------ PDP drive voltage VS
  PDP VA (MV)   :  060 [V] ------------ PDP drive voltage VA
  DIGITAL 5V    :  4.9 [V] ------------ 5 V power for
                                        digital circuitry
```

The main DC power voltages of the PFM-42B2/B2E are displayed.

PDP drive voltage VS :
High voltage power to PDP is displayed.
PDP drive voltage VA :
Medium voltage power to PDP is displayed.
5 V power for digital circuitry :
Internal 5 V power is displayed.

c) TEMPERATURE

```
TEMPERATURE
  PANEL BACK SIDE
  • I/O BLOCK TOP  :  44 [°C]
  • CENTER         :  55 [°C]
  • XSUS TOP       :  48 [°C]
  • PANEL SIDE     :  32 [°C]
  P/S INTERNAL     :  OK
```

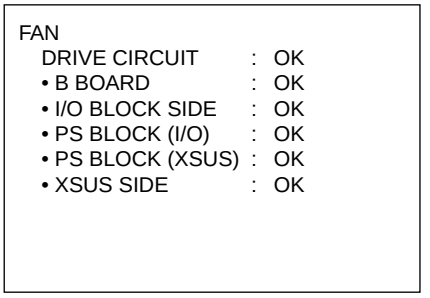
Internal temperature information of PFM-42B2/B2E is displayed.

Temperature at the top on the rear of the panel :
Temperatures upper side of the rear panel are displayed as follows.

I/O BLOCK SIDE	: Temperature at the input/ output terminal board.
CENTER	: Center temperature
PANEL SIDE	: Left side of the set
XSUS TOP	: Temperature at the XSUS

Power supply internal temperature information :
Temperature status inside the power supply block is displayed. The message OK appears when temperature is normal. The message NG appears when temperature is abnormal.

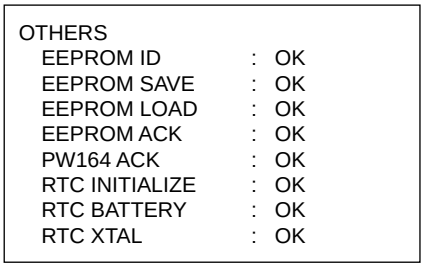
d) FAN



Fan drive circuit:
Indicates the operating status of the fan control circuit.
OK appears when the fan control circuit is operating normally.
NG appears when the fan control circuit is defective.

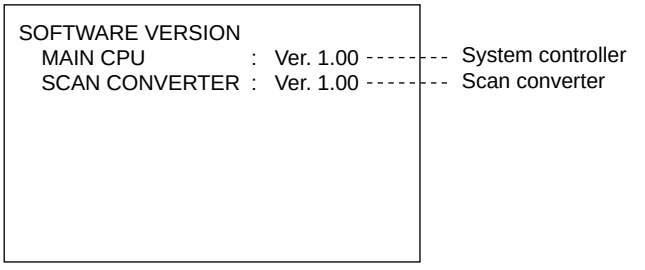
B BOARD	: B Block Inside
I/O BLOCK SIDE	: Lower right side
PS BLOCK (I/O)	: Lower right side of the power supply block
PS BLOCK (XSUS)	: Lower left side of the power supply block
XSUS SIDE	: Lower left side

e) OTHERS



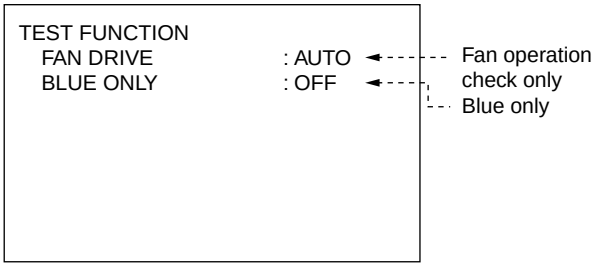
EEP ROM ID	:ID code error
EEP ROM SAVE	:Data write error
EEP ROM LOAD	:Data read error
EEP ROM ACK	:Defective
PW164 ACK	:Communication error with scan converter
RTC INITIALIZE	:Time data initializatioin due to abnormal register value
RTC BATTTERY	:Low backup voltage warning
RTC XTAL	: Warning due to stoppage of crystal oscillator for watch

f) SOFTWARE VERSION



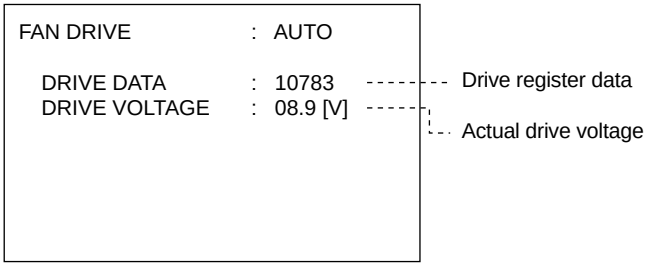
Version of each software is displayed.
System controller :
Version of the main microprocessor is displayed.
Scan converter :
Version of the scan converter (IC207) is displayed.

g) TEST FUNCTION



This is the test function.

- Fan operation check only



When the FAN DRIVE is changed from AUTO to MANUAL, and ENTER is pressed, the DRIVE DATA indication changes to cyan. In this setup, the drive register value can be manually modified. When the drive register value is changed, the pulse width of the PWM signal in the fan voltage control PWM circuit is changed accordingly.
Fans can be checked whether they operate normally or not by comparing the register value and the actual drive voltage, and by comparing the actual drive voltage and the actual operations of the fans.
Variable range of the drive register value :
00000 to 16383

- Blue only
  When Blue only is selected, all of the R, G and B colors become the blue data.

Table 1. EEPROM Configuration

Area	Data Configuration	Standard Value
COMMON	EEPROM ID CODE	Pass code for model ID
	POWER	OFF
	WIDE VGA	OFF
	DISPLAY	ON
	CLOSED CAPTION	OFF
	COLOR SYSTEM	AUTO
	SCREEN FILL	CENTER
	POWER SAVING	OFF
	ON/OFF TIMER	OFF
	POWER ON TIME	0
	POWER OFF TIME	0
	PICTURE INVERSION	OFF
	POWER OFF(INVERT)	NO
	PICTURE ORBITING	OFF
	ORBIT RANGE	5dot
	ORBIT CYCLE	10sec
	LANGUAGE	ENGLISH
	INDEX NUMBER	1
	REMOTE MODE	TV
	REMOTE ONLY	OFF
	MODEL NAME	PFM-42B1
	INPUT CHANNEL	INPUT1 RGB
	OPERATION TIME	000000H
	SERIAL NUMBER	2000001
	INPUT1 SW	RGB
	INPUT2 SW	RGB
	INPUT3 SW	RGB
	VIDEO SW	COMPOSITE
	AUTO ASPECT	ON
	G CUTOFF SW	ON
	AUTO PLL SETUP	OFF
	AUTO PLL PIXEL	ON
	H/V SHIFT	EDGE
	VIDEO SHARP SW	ON
	AUTO FT CANCEL	ON
	WATCH ERROR	32768.05
	Y GAIN	111
	R-Y GAIN	82
	B-Y GAIN	128
	R CUTOFF	112
	B CUTOFF	155
	ADC R GAIN	128
	ADC G GAIN	128
	ADC B GAIN	128

Area	Data Configuration	Standard Value
COMMON	ADC R BIAS	128
	ADC G BIAS	128
	ADC B BIAS	128
COLOR TEMP	RED GAIN (HIGH)	255
	GREEN GAIN (HIGH)	255
	BLUE GAIN (HIGH)	255
	RED GAIN (LOW)	255
	GREEN GAIN (LOW)	255
	BLUE GAIN (LOW)	255
	RED GAIN (USER1)	255
	GREEN GAIN (USER1)	255
	BLUE GAIN (USER1)	255
	RED GAIN (USER2)	255
	GREEN GAIN (USER2)	255
	BLUE GAIN (USER2)	255
	RED GAIN (USER3)	255
	GREEN GAIN (USER3)	255
	BLUE GAIN (USER3)	255
	RED GAIN (USER4)	255
	GREEN GAIN (USER4)	255
	BLUE GAIN (USER4)	255
	RED GAIN (USER5)	255
	GREEN GAIN (USER5)	255
	BLUE GAIN (USER5)	255
	RED GAIN (USER6)	255
	GREEN GAIN (USER6)	255
	BLUE GAIN (USER6)	255
	NAME (HIGH)	HIGH
	NAME (LOW)	LOW
	NAME (USER1)	1
	NAME (USER2)	2
	NAME (USER3)	3
	NAME (USER4)	4
	NAME (USER5)	5
	NAME (USER6)	6

Area	Data Configuration	Standard Value
PROG. PRESET	PRESET AREA 1 (PROGRAM 1)	EMPTY
	PRESET AREA 2 (PROGRAM 2)	EMPTY
	PRESET AREA 3 (PROGRAM 3)	EMPTY
	PRESET AREA 4 (PROGRAM 4)	EMPTY
	PRESET AREA 5 (PROGRAM 5)	EMPTY
	PRESET AREA 6 (PROGRAM 6)	EMPTY
	PRESET AREA 7 (PROGRAM 7)	EMPTY
	PRESET AREA 8 (PROGRAM 8)	EMPTY
	PRESET AREA 9 (PROGRAM 9)	EMPTY
	PRESET AREA10 (PROGRAM10)	EMPTY
	PRESET AREA11 (PROGRAM11)	EMPTY
	PRESET AREA12 (PROGRAM12)	EMPTY
	PRESET AREA13 (PROGRAM13)	EMPTY
	PRESET AREA14 (PROGRAM14)	EMPTY
	PRESET AREA15 (PROGRAM15)	EMPTY
	PRESET AREA16 (PROGRAM16)	EMPTY
	PRESET AREA17 (PROGRAM17)	EMPTY
	PRESET AREA18 (PROGRAM18)	EMPTY
	PRESET AREA19 (PROGRAM19)	EMPTY
	PRESET AREA20 (PROGRAM20)	EMPTY
FIXED PRESET	PRESET AREA21	640 × 350@70
	PRESET AREA22	640 × 350@85
	PRESET AREA23	640 × 400@85
	PRESET AREA24	640 × 480@60
	PRESET AREA25	MAC13
	PRESET AREA26	640 × 480@72
	PRESET AREA27	640 × 480@75
	PRESET AREA28	640 × 480@85
	PRESET AREA29	720 × 400@70
	PRESET AREA30	720 × 400@85
	PRESET AREA31	800 × 600@56
	PRESET AREA32	800 × 600@60
	PRESET AREA33	800 × 600@72
	PRESET AREA34	800 × 600@75
	PRESET AREA35	800 × 600@85
	PRESET AREA36	MAC16
	PRESET AREA37	1024 × 768@43
	PRESET AREA38	1024 × 768@60
	PRESET AREA39	1024 × 768@70
	PRESET AREA40	1024 × 768@75
	PRESET AREA41	1024 × 768@85
	PRESET AREA42	1152 × 864@75
	PRESET AREA43	MAC21
	PRESET AREA44	1280 × 960@60
	PRESET AREA45	1280 × 960@85
	PRESET AREA46	1280 × 1024@60
	PRESET AREA47	1280 × 1024@75
	PRESET AREA48	1280 × 1024@85
	PRESET AREA49	1600 × 1200@60
	PRESET AREA50	575 × 50I
	PRESET AREA51	480 × 60I
	PRESET AREA52	575 × 50P
	PRESET AREA53	480 × 60P
	PRESET AREA54	1080 × 48I
	PRESET AREA55	1080 × 50I
	PRESET AREA56	1080 × 60I
	PRESET AREA57	1035 ×60I
	PRESET AREA58	720 × 50P
	PRESET AREA59	720 × 60P
	PRESET AREA60	852 × 480@60
	PRESET AREA61	856 × 480@60
	PRESET AREA62	856 × 480@60
	PRESET AREA63	856 × 480@60
	PRESET AREA64	1024 × 1024@60
	PRESET AREA65	1280 × 768@56
	PRESET AREA66	Line Doubler 575 × 50I (YUV)
	PRESET AREA67	Line Doubler 480 × 60I (YUV)
	PRESET AREA68	Line Doubler NTSC (LINE)
	PRESET AREA69	Line Doubler PAL (LINE)
	PRESET AREA70	Line Doubler SECAM (LINE)
	PRESET AREA71	Line Doubler 443NT (LINE)
	PRESET AREA72	Line Doubler PAL60 (LINE)
	PRESET AREA73	Line Doubler PAL-M (LINE)
	PRESET AREA74	Line Doubler NTSC (Y/C)
	PRESET AREA75	Line Doubler PAL (Y/C)
	PRESET AREA76	Line Doubler SECAM (Y/C)
	PRESET AREA77	Line Doubler 443NT (Y/C)
	PRESET AREA78	Line Doubler PAL60 (Y/C)
	PRESET AREA79	Line Doubler PAL-M (Y/C)

Area	Data Configuration	Standard Value
LAST	PRESET AREA 1 (PROGRAM 1)	EMPTY
MEMORY	PRESET AREA 2 (PROGRAM 2)	EMPTY
	PRESET AREA 3 (PROGRAM 3)	EMPTY
	PRESET AREA 4 (PROGRAM 4)	EMPTY
	PRESET AREA 5 (PROGRAM 5)	EMPTY
	PRESET AREA 6 (PROGRAM 6)	EMPTY
	PRESET AREA 7 (PROGRAM 7)	EMPTY
	PRESET AREA 8 (PROGRAM 8)	EMPTY
	PRESET AREA 9 (PROGRAM 9)	EMPTY
	PRESET AREA10 (PROGRAM10)	EMPTY
	PRESET AREA11 (PROGRAM11)	EMPTY
	PRESET AREA12 (PROGRAM12)	EMPTY
	PRESET AREA13 (PROGRAM13)	EMPTY
	PRESET AREA14 (PROGRAM14)	EMPTY
	PRESET AREA15 (PROGRAM15)	EMPTY
	PRESET AREA16 (PROGRAM16)	EMPTY
	PRESET AREA17 (PROGRAM17)	EMPTY
	PRESET AREA18 (PROGRAM18)	EMPTY
	PRESET AREA19 (PROGRAM19)	EMPTY
	PRESET AREA20 (PROGRAM20)	EMPTY
	PRESET AREA21	EMPTY
	PRESET AREA22	EMPTY
	PRESET AREA23	EMPTY
	PRESET AREA24	EMPTY
	PRESET AREA25	EMPTY
	PRESET AREA26	EMPTY
	PRESET AREA27	EMPTY
	PRESET AREA28	EMPTY
	PRESET AREA29	EMPTY
	PRESET AREA30	EMPTY
	PRESET AREA31	EMPTY
	PRESET AREA32	EMPTY
	PRESET AREA33	EMPTY
	PRESET AREA34	EMPTY
	PRESET AREA35	EMPTY
	PRESET AREA36	EMPTY
	PRESET AREA37	EMPTY
	PRESET AREA38	EMPTY
	PRESET AREA39	EMPTY
	PRESET AREA40	EMPTY
	PRESET AREA41	EMPTY
	PRESET AREA42	EMPTY
	PRESET AREA43	EMPTY
	PRESET AREA44	EMPTY
	PRESET AREA45	EMPTY
	PRESET AREA46	EMPTY
	PRESET AREA47	EMPTY
	PRESET AREA48	EMPTY
	PRESET AREA49	EMPTY
	PRESET AREA50	EMPTY
	PRESET AREA51	EMPTY
	PRESET AREA52	EMPTY
	PRESET AREA53	EMPTY
	PRESET AREA54	EMPTY
	PRESET AREA55	EMPTY
	PRESET AREA56	EMPTY
	PRESET AREA57	EMPTY
	PRESET AREA58	EMPTY
	PRESET AREA59	EMPTY
	PRESET AREA60	EMPTY
	PRESET AREA61	EMPTY
	PRESET AREA62	EMPTY
	PRESET AREA63	EMPTY
	PRESET AREA64	EMPTY
	PRESET AREA65	EMPTY
	PRESET AREA66	EMPTY
	PRESET AREA67	EMPTY
	PRESET AREA68	EMPTY
	PRESET AREA69	EMPTY
	PRESET AREA70	EMPTY
	PRESET AREA71	EMPTY
	PRESET AREA72	EMPTY
	PRESET AREA73	EMPTY
	PRESET AREA74	EMPTY

Area	Data Configuration	Standard Value
USER	MEMORY No.1	EMPTY
MEMORY	MEMORY No.2	EMPTY
	MEMORY No.3	EMPTY
	MEMORY No.4	EMPTY
	MEMORY No.5	EMPTY
	MEMORY No.6	EMPTY
	MEMORY No.7	EMPTY
	MEMORY No.8	EMPTY
	MEMORY No.9	EMPTY
	MEMORY No.10	EMPTY
	MEMORY No.11	EMPTY
	MEMORY No.12	EMPTY
	MEMORY No.13	EMPTY
	MEMORY No.14	EMPTY
	MEMORY No.15	EMPTY
	MEMORY No.16	EMPTY
	MEMORY No.17	EMPTY
	MEMORY No.18	EMPTY
	MEMORY No.19	EMPTY
	MEMORY No.20	EMPTY
	NAME (No.1)	• • • • • • • • • •
	NAME (No.2)	• • • • • • • • • •
	NAME (No.3)	• • • • • • • • • •
	NAME (No.4)	• • • • • • • • • •
	NAME (No.5)	• • • • • • • • • •
	NAME (No.6)	• • • • • • • • • •
	NAME (No.7)	• • • • • • • • • •
	NAME (No.8)	• • • • • • • • • •
	NAME (No.9)	• • • • • • • • • •
	NAME (No.10)	• • • • • • • • • •
	NAME (No.11)	• • • • • • • • • •
	NAME (No.12)	• • • • • • • • • •
	NAME (No.13)	• • • • • • • • • •
	NAME (No.14)	• • • • • • • • • •
	NAME (No.15)	• • • • • • • • • •
	NAME (No.16)	• • • • • • • • • •
	NAME (No.17)	• • • • • • • • • •
	NAME (No.18)	• • • • • • • • • •
	NAME (No.19)	• • • • • • • • • •
	NAME (No.20)	• • • • • • • • • •

Table 2. Factory Preset Data

AREA	21	22	23	24	25	26	27	28
NAME	VGA-1	VESA640×350	VESA640×400	VGA	Mac13"	VESA640×480@72	VESA640×480@75	VESA640×480@85
ASPECT	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3
SHARPNESS	MID	MID	MID	MID	MID	MID	MID	MID
TOTAL H PIXEL	800	832	832	800	864	832	840	832

AREA	29	30	31	32	33	34	35	36
NAME	VGA (TEXT)	VESA720×400@85	VESA800×600@56	VESA800×600@60	VESA800×600@72	VESA800×600@75	VESA800×600@85	Mac16"
ASPECT	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3
SHARPNESS	MID	MID	MID	MID	MID	MID	MID	MID
TOTAL H PIXEL	900	936	1024	1056	1040	1056	1048	1152

AREA	38	39	40	41	42	43	44	45
NAME	VESA1024×768@60	VESA1024×768@70	VESA1024×768@75	VESA1024×768@85	VESA1152×864@75	Mac21"	VESA1280×960@60	VESA1280×960@85
ASPECT	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3
SHARPNESS	MID	MID	MID	MID	MID	MID	MID	MID
TOTAL H PIXEL	1344	1328	1312	1376	1600	1456	1800	1728

AREA	46	47	48	49	50	51	52	53
NAME	VESA1280×1024@60	VESA1280×1024@75	VESA1280×1024@85	VESA1600×1200@60	575/50I	480/60I	575/50P	480/60P
ASPECT	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3	4 × 3
SHARPNESS	MID	MID	MID	MID	LOW	LOW	MID	MID
TOTAL H PIXEL	1688	1688	1728	2160	–	–	1266	800

AREA	54	55	56	59	60	61	62	63
NAME	1080/48I	1080/50I	1080/60I	720/60P	852×480@60	856×480@60 STD	856×480@60 F60	856×480@60 WPS
ASPECT	16 × 9	16 × 9	16 × 9	16 × 9	16 × 9	16 × 9	16 × 9	16 × 9
SHARPNESS	MID	MID	MID	MID	MID	MID	MID	MID
TOTAL H PIXEL	1462	1410	1190	1650	1072	1112	1048	1048

Table 3. Preset Timing

AREA	21		22		23		24		25		26		27		28	
NAME	VGA-1		VESA640×350		VESA640×400		VGA		Mac13"		VESA640×480@72		VESA640×480@75		VESA640×480@85	
RESOLUTION	640 × 350		640 × 350		640 × 400		640 × 480		640 × 480		640 × 480		640 × 480		640 × 480	
CLOCK	25.175	MHz	31.5	MHz	31.5	MHz	25.175	MHz	30.24	MHz	31.5	MHz	31.5	MHz	36	MHz
HORIZONTAL																
H.FREQ	31.469	kHz	37.861	kHz	37.861	kHz	31.469	kHz	35	kHz	37.861	kHz	37.5	kHz	43.269	kHz
	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots
H.TOTAL	31.77	800	26.413	832	26.413	832	31.778	800	28.571	864	26.413	832	26.667	840	23.111	832
H.BLK	6.356	160	6.09	192	6.095	192	6.356	160	7.407	224	6.096	192	6.35	200	5.334	192
H.FP	0.318	8	1.015	32	1.016	32	0.636	16	2.116	64	0.762	24	0.508	16	1.556	56
H.SYNC	3.813	96	2.032	64	2.032	64	3.813	96	2.116	64	1.27	40	2.032	64	1.556	56
H.BP	2.225	56	3.048	96	3.048	96	1.907	48	3.175	96	4.064	16	3.81	120	2.222	80
H.ACTIVE	25.422	640	20.317	640	20.317	640	25.422	640	21.164	640	20.317	640	20.317	640	17.778	640
VERTICAL																
V.FREQ	70.086	Hz	85.08	Hz	85.08	Hz	59.94	Hz	66.67	Hz	72.809	Hz	75	Hz	85.008	Hz
	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines
V.TOTAL	14.265	449	11.754	445	11.754	445	16.683	525	15	525	13.735	520	13.333	500	11.764	509
V.BLK	3.145	99	2.509	95	1.189	45	1.43	45	1.286	45	1.055	40	0.534	20	0.67	29
V.FP	0.984	31	0.845	32	0.026	1	0.318	10	0.086	3	0.237	9	0.027	1	0.023	1
V.SYNC	0.063	2	0.079	3	0.079	3	0.064	2	0.086	3	0.079	3	0.08	3	0.069	3
V.BP	2.097	66	1.585	60	1.083	41	1.049	33	1.114	39	0.739	28	0.427	16	0.578	25
V.ACTIVE	11.119	350	9.243	350	10.565	400	15.253	480	13.714	480	12.678	480	12.8	480	11.093	480
SYNC																
SOG									YES							
EXT(H/V)	(+/−)		(+/−)		(−/+)		(−/−)		(−/−)		(−/−)		(−/−)		(−/−)	
EXT(COMP)																
COMP VIDEO																
VIDEO LEVEL	0.714V		0.714V		0.714V		0.714V		0.714V		0.714V		0.714V		0.714V	
SYNC LEVEL	TTL		TTL		TTL		TTL		TTL		TTL		TTL		TTL	

AREA	29		30		31		32		33		34		35		36	
NAME	VGA(TEXT)		VESA720×400@85		VESA800×600@56		VESA800×600@60		VESA800×600@72		VESA800×600@75		VESA800×600@85		Mac16"	
RESOLUTION	720 × 400		720 × 400		800 × 600		800 × 600		800 × 600		800 × 600		800 × 600		832 × 624	
CLOCK	28.332	MHz	35.5	MHz	36	MHz	40	MHz	50	MHz	49.5	MHz	56.25	MHz	57.285	MHz
HORIZONTAL																
H.FREQ	31.469	kHz	37.927	kHz	35.156	kHz	37.879	kHz	48.077	kHz	46.875	kHz	53.674	kHz	49.727	kHz
	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots
H.TOTAL	31.766	900	26.366	936	28.444	1024	26.4	1056	20.8	1040	21.333	1056	18.631	1048	20.11	1152
H.BLK	6.353	180	6.084	216	6.223	224	6.4	256	4.8	240	5.171	256	4.409	248	5.586	320
H.FP	0.635	18	1.014	36	0.667	24	1	40	1.12	56	0.323	16	0.569	32	0.559	32
H.SYNC	3.812	108	2.028	72	2	72	3.2	128	2.4	120	1.616	80	1.138	64	1.117	64
H.BP	1.906	54	3.042	108	3.556	128	2.2	88	1.28	64	3.232	160	2.702	152	3.91	224
H.ACTIVE	25.413	720	20.282	720	22.222	800	20	800	16	800	16.162	800	14.222	800	14.524	832
VERTICAL																
V.FREQ	70.111	Hz	85.039	Hz	56.25	Hz	60.317	Hz	72.188	Hz	75	Hz	85.061	Hz	74.553	Hz
	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines
V.TOTAL	14.263	449	11.759	446	17.778	625	16.579	628	13.853	666	13.333	625	11.756	631	13.413	667
V.BLK	1.557	49	1.212	46	0.711	25	0.739	28	1.373	66	0.533	25	0.578	31	0.865	43
V.FP	0.381	12	0.026	1	0.028	1	0.026	1	0.77	37	0.021	1	0.019	1	0.06	3
V.SYNC	0.064	2	0.079	3	0.057	2	0.106	4	0.125	6	0.064	3	0.056	3	0.06	3
V.BP	1.112	35	1.107	42	0.626	22	0.607	23	0.478	23	0.448	21	0.503	27	0.744	37
V.ACTIVE	12.706	400	10.546	400	17.067	600	15.84	600	12.48	600	12.8	600	11.179	600	12.549	624
SYNC																
SOG																
EXT(H/V)	(–/+)		(–/+)		(+/+)		(+/+)		(+/+)		(+/+)		(+/+)		(–/–)	
EXT(COMP)																
COMP VIDEO																
VIDEO LEVEL	0.714V		0.714V		0.714V		0.714V		0.714V		0.714V		0.714V		0.714V	
SYNC LEVEL	TTL		TTL		TTL		TTL		TTL		TTL		TTL		TTL	

AREA	38		39		40		41		42		43		44		45	
NAME	VESA1024x768@60		VESA1024x768@70		VESA1024x768@75		VESA1024x768@85		VESA1152x864@75		Mac21"		VESA1280x960@60		VESA1280x960@85	
RESOLUTION	1024 × 768		1024 × 768		1024 × 768		1024 × 768		1152 × 864		1152 × 870		1280 × 960		1280 × 960	
CLOCK	65	MHz	75	MHz	78.75	MHz	94.5	MHz	108	MHz	100	MHz	108	MHz	148.5	MHz
HORIZONTAL																
H.FREQ	48.363	kHz	56.476	kHz	60.023	kHz	68.677	kHz	67.5	kHz	68.681	kHz	60	kHz	85.938	kHz
	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots
H.TOTAL	20.677	1344	17.707	1328	16.66	1312	14.561	1376	14.815	1600	14.56	1456	16.667	1800	11.636	1728
H.BLK	4.923	320	4.053	304	3.657	288	3.725	352	4.148	448	3.04	304	4.815	520	3.016	448
H.FP	0.369	24	0.32	24	0.203	16	0.508	48	0.593	64	0.32	32	0.889	96	0.431	64
H.SYNC	2.092	136	1.813	136	1.219	96	1.016	96	1.185	128	1.28	128	1.037	112	1.077	160
H.BP	2.462	160	1.92	144	2.235	176	2.201	208	2.37	256	1.44	144	2.889	312	1.508	224
H.ACTIVE	15.754	1024	13.653	1024	13.003	1024	10.836	1024	10.667	1152	11.52	1152	11.852	1280	8.62	1280
VERTICAL																
V.FREQ	60.004	Hz	70.069	Hz	75.029	Hz	84.997	Hz	75	Hz	75.061	Hz	60	Hz	85.002	Hz
	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines
V.TOTAL	16.666	806	14.272	806	13.328	800	11.765	808	13.333	900	13.323	915	16.667	1000	11.764	1011
V.BLK	0.786	38	0.672	38	0.533	32	0.583	40	0.533	36	0.655	45	0.667	40	0.594	51
V.FP	0.062	3	0.053	3	0.017	1	0.015	1	0.015	1	0.044	3	0.017	1	0.012	1
V.SYNC	0.124	6	0.106	6	0.05	3	0.044	3	0.044	3	0.044	3	0.05	3	0.035	3
V.BP	0.6	29	0.513	29	0.466	28	0.524	36	0.474	32	0.568	39	0.6	36	0.547	47
V.ACTIVE	15.88	768	13.599	768	12.795	768	11.183	768	12.8	864	12.67	870	16	960	11.171	960
SYNC																
SOG																
EXT(H/V)	(–/–)		(–/–)		(+/+)		(+/+)		(+/+)		(–/–)		(+/+)		(+/+)	
EXT(COMP)																
COMP VIDEO																
VIDEO LEVEL	0.714V		0.714V		0.714V		0.714V		0.714V		0.714V		0.714V		0.714V	
SYNC LEVEL	TTL		TTL		TTL		TTL		TTL		TTL		TTL		TTL	

AREA	46		47		48		49		50		51	
NAME	VESA1280×1024@60		VESA1280×1024@75		VESA1280×1024@85		VESA1600×1200@60		PAL		NTSC	
RESOLUTION	1280 × 1024		1280 × 1024		1280 × 1024		1600 × 1200		932 × 573		753 × 483	
CLOCK	108	MHz	135	MHz	157.5	MHz	162	MHz	17.75	MHz	14.318	MHz
HORIZONTAL												
H.FREQ	63.981	kHz	79.976	kHz	91.146	kHz	75	kHz	15.625	kHz	15.734	kHz
	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots	µsec	dots
H.TOTAL	15.63	1688	12.504	1688	10.971	1728	13.333	2160	64	1136	63.556	910
H.BLK	3.777	408	3.023	408	2.844	448	3.457	560	12	213	10.9	156
H.FP	0.444	48	0.119	16	0.406	64	0.395	64	1.5	26	1.5	22
H.SYNC	1.037	112	1.067	144	1.016	160	1.185	192	4.7	84	4.7	67
H.BP	2.296	248	1.837	248	1.422	224	1.877	304	5.8	103	4.7	67
H.ACTIVE	11.852	1280	9.481	1280	8.127	1280	9.877	1600	52	923	52.656	754
VERTICAL												
V.FREQ	60.02	Hz	75.025	Hz	85.024	Hz	60	Hz	50	Hz	59.94	Hz
	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines	msec	lines
V.TOTAL	16.661	1066	13.329	1066	11.761	1072	16.667	1250	20	312.5	16.683	262.5
V.BLK	0.657	42	0.526	42	0.527	48	0.666	50	1.632	25.5	1.303	20.5
V.FP	0.016	1	0.013	1	0.011	1	0.013	1	0.192	3	0.254	4
V.SYNC	0.047	3	0.038	3	0.033	3	0.04	3	0.16	2.5	0.191	3
V.BP	0.594	38	0.475	38	0.483	44	0.613	46	1.28	20	0.858	13.5
V.ACTIVE	16.005	1024	12.804	1024	11.235	1024	16	1200	18.368	287	15.381	245
SYNC												
SOG												
EXT(H/V)	(+/+)		(+/+)		(+/+)		(+/+)					
EXT(COMP)												
COMP VIDEO									YES		YES	
VIDEO LEVEL	0.714V		0.714V		0.714V		0.714V		0.700V		0.714V	
SYNC LEVEL	TTL		TTL		TTL		TTL		0.300V		0.286V	

AREA	52		53		54		55		56		59	
TIMING	576/50P		480/60P		1080/48I		1080/50I		1080/60I		720/60P	
DOT CLK	72.00MHz	13.889nsec	54.00MHz	18.519nsec	74.25MHz	13.469nsec	74.25MHz	13.469nsec	74.25MHz	13.469nsec	74.25MHz	13.469nsec
H PERIOD	32.001µsec	2304dots	31.779µsec	1716dots	37.040µsec	2750dots	35.559µsec	2640dots	29.632µsec	2200dots	22.224µsec	1650dots
H DISP	26.001µsec	1872dots	26.428 µsec	1427dots	25.861µsec	1920dots	25.861µsec	1920dots	25.861µsec	1920dots	17.241µsec	1280dots
H SYNC	2.35µsec	169dots	2.35µsec	127dots	0.593µsec	44dots	0.593µsec	44dots	0.593µsec	44dots	0.539µsec	40dots
H BACK P	2.90µsec	209dots	2.25µsec	121dots	2.587µsec	192dots	2.587µsec	192dots	2.587µsec	192dots	3.502µsec	260dots
H DS	0.000µsec	0dots	0.000µsec	0dots	0.593µsec	44dots	0.593µsec	44dots	0.593µsec	44dots	0.539µsec	40dots
H DW	2.35µsec	169dots	2.35µsec	127dots	0.593µsec	44dots	0.054µsec	4dots	0.593µsec	44dots	0.539µsec	40dots
H FREQ	31.250kHz	32.000µsec	31.469kHz	31.778µsec	27.000kHz	37.038µsec	28.125kHz	35.556µsec	33.750kHz	29.630µsec	45.000kHz	22.223µsec
SCAN	PROG		PROG		I&V		I&V		I&V		PROG	
V TOTAL	20.000msec	625H	16.684msec	525H	20.834msec	562(562.5)	20.000msec	562(562.5)	16.667msec	562(562.5)	16.667msec	750H
V SYNC	0.16msec	5H	0.191msec	6H	0.186msec	5H	0.178msec	5H	0.149msec	5H	0.149msec	5H
SERRATION	0.032msec	1H	0.030msec	1H	0.019msec	0.5H	0.018msec	0.5H	0.015msec	0.5H	0.030msec	1H
EQP ON/OFF	ON		ON		ON		ON		ON		OFF	
EQP FP	0msec	0H	0.000msec	0H	0.019msec	0.5H	0.018msec	0.5H	0.015msec	0.5H	0.000msec	0H
EQP BP	0msec	0H	0.000msec	0H	0.019msec	0.5H	0.018msec	0.5H	0.015msec	0.5H	0.000msec	0H
V DISP	18.432msec	576H	15.349msec	483H	20.001msec	540H	19.201msec	540H	16.001msec	540H	21.334msec	720H
V BACK P	1.248msec	39H	0.953msec	30H	0.556msec	15H	0.534msec	15H	0.445msec	15H	0.593msec	20H
V DS	0.000msec	0H	0.000msec	0H	0.038msec	1H	0.036msec	1H	0.030msec	1H	0.030msec	1H
V D LINE	0.096msec	3H	0.191msec	6H	0.186msec	5H	0.178msec	5H	0.149msec	5H	0.149msec	5H
V FREQ	50Hz	20.000msec	60Hz	16.684msec	48Hz	20.834msec	50Hz	20.000msec	60Hz	16.667msec	60Hz	16.667msec
OUTPUT	ANALOG		ANALOG		HDTV1(2)		HDTV1(2)		HDTV1(2)		HDTV1(2)	
ASPECT	4:3		4:3		16:9		16:9		16:9		16:9	

AREA	60		61		62		63	
Resolution	852 × 480		856 × 480 at 60Hz		856 × 480 at 60Hz		856 × 480 at 60Hz	
Pixel Clock	34.0252 [MHz]		33.627 [MHz]		31.500 [MHz]		31.500 [MHz]	
Horizontal Frequency	31.740 [kHz]		30.240 [kHz]		30.057 [kHz]		30.057 [kHz]	
Vertical Frequency	60.000 [Hz]		60.000 [Hz]		59.637 [Hz]		60.115 [Hz]	
Horizontal Sync Polarity	NEGATIVE		NEGATIVE (selectable)		NEGATIVE (selectable)		NEGATIVE (selectable)	
Vertical Sync Polarity	NEGATIVE		NEGATIVE (selectable)		NEGATIVE (selectable)		NEGATIVE (selectable)	
Scan Type	PROGRESSIVE		PROGRESSIVE		PROGRESSIVE		PROGRESSIVE	
Horizontal	Pixels	µsec	Pixels	µsec	Pixels	µsec	Pixels	µsec
Total	1072	31.506	1112	33.069	1048	33.270	1048	33.270
Active	852	25.040	856	25.456	856	27.175	856	27.175
Sync	128	3.762	104	3.093	64	2.032	64	2.032
Front Porch	28	0.823	48	1.427	32	1.016	32	1.016
Back Porch	64	1.881	104	3.093	96	3.048	96	3.048
		31.506		33.069		33.270		33.270
Vertical	Lines	msec	Lines	msec	Lines	msec	Lines	msec
Total	529	16.667	504	16.667	504	16.768	500	16.635
Active	480	15.123	480	15.873	480	15.970	480	15.970
Sync	3	0.095	3	0.099	3	0.100	8	0.266
Front Porch	12	0.378	1	0.033	1	0.033	1	0.033
Back Porch	34	1.071	20	0.661	20	0.665	11	0.366

2-3. White Balance Adjustment

1. Switch the WINDOW to either TYPE1 or TYPE2.
2. Select the COLOR TEMP “HIGH”.
3. Select RED GAIN and GREEN GAIN. Perform the white balance adjustment until the color temperature satisfies the specifications of 9300 K.
   Set BLUE GAIN to 128 normally.
4. Select the COLOR TEMP “LOW”.
5. Using BLUE GAIN, RED GAIN and GREEN GAIN, perform the white balance adjustment until the color temperature satisfies the specifications of 6500 K.

   Note

   When the white balance at 6500 K cannot be obtained by any means, decrement the BLUE GAIN by 16 steps and repeat the adjustment of step 5).

6. Switch the WINDOW to OFF.

2-4. A/D Calibration Adjustment

1. Connect the VGA (640 × 480@60) signal to the INPUT1 connector.
2. Connect the cross-hatch signal to the INPUT connector.
   Execute the AUTO item of the PIXEL ADJUST.
3. Select the video signal of the 10 % flat field pattern.
4. Set the CAL mode to ON.
5. Check the following values that are shown in the bottom of the menu in cyan.
   R : XXX / G : XXX / B : XXX
   Adjust RED BIAS and BLUE BIAS until the following two equations are satisfied.
   (G value −1) ≦ R value ≦ (G value +1)
   and
   (G value −1) ≦ B value ≦ (G value +1)
   (Do not adjust GREEN BIAS.)
6. Select the video signal of the maximum brightness 90 % Flat Field pattern.
   (Select the gray scale pattern that has the left half of display in black and the right half of display in white.)
7. Check the following values that are shown in the bottom of the menu in cyan.
   R : XXX / G : XXX / B : XXX
   Adjust RED BIAS and BLUE BIAS until the following two equations are satisfied.
   (G value −1) ≦ R value ≦ (G value +1)
   and
   (G value −1) ≦ B value ≦ (G value +1)
   (Do not adjust GREEN BIAS.)
8. Set the CAL mode to OFF.

2-5. Video Processor Adjustment

YUV Level Check and Adjustment

Note

Be sure to use the Z MOUNT (extension board).

1. Connect the YUV 480/60 signal to the INPUT-1 connector.
2. Select the color bar signal.
3. Measure the voltage waveform at pin-14 of IC1003 on the B board with an oscilloscope. Confirm that amplitude of the signal portion excluding the sync signal is in the range of 600 mV ± 5%.
   (If the video signal excluding sync is outside the specifications, adjust the video signal level using the Y GAIN.)
4. Measure the voltage waveform at pin-15 of IC1003 with an oscilloscope. Confirm that the R-Y signal has the following amplitude.
   580 mV ± 5 %
   (If the R-Y signal is outside the specifications, adjust the R-Y signal level using the R-Y GAIN.)
5. Measure the voltage waveform at pin-4 of IC1003 with an oscilloscope. Confirm that the B-Y signal has the following amplitude.
   700 mV ± 5 %
   (If the B-Y signal is outside the specifications, adjust the B-Y signal level using the B-Y GAIN.)

Cutoff Adjustment

1. Connect the Y signal of the 480/60I signal to the Y input only of the YUV input connector.
2. Select the gray scale signal.
3. Observe the dark area of display screen. Adjust R CUTOFF and B CUTOFF until the dark area has completely no color at all.

2-6. Watch Error Adjustment

1. Connect the jig circuit as shown in Fig. (b) and a frequency counter to the B board CN18.
2. Enter the measurement value on a frequency counter in the WATCH ERROR.

WATCH ERROR Jig Circuit

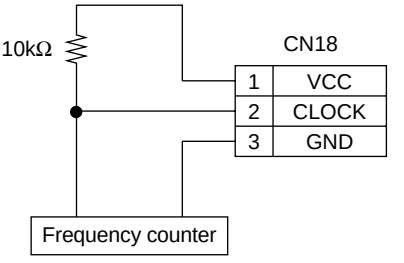


Fig. (b)

2-7. Switching Regulator (APS-179) Adjustment

Preparation : Remove the switching regulator from the main unit.

2-7-1. Oscillating Frequency Adjustment

1. Short-circuit pins-3 and -4 of PH101, PH-107, PH-111 and PH-902 respectively.
2. Short-circuit gate and source of Q302 and Q308.
3. Apply DC 22 V to C122 and adjust the oscillating frequency as listed below.

Between gate and source	ADJ	Specification
Q108	RV101	83k ± 0.5 kHz
Q113	RV102	84k ± 0.5 kHz
Q154	RV150	73k ± 0.5 kHz
Q504	RV901	67k ± 0.5 kHz
Q704	RV950	65k ± 0.5 kHz

2-7-2. Voltage Adjustment with Minimum Load

Load of each output

Output	Pin No.	Minimum load	Maximum load
Vcc (5 V)	CN23 ③pin	2.0A	6.0A
Vs	CN23 ⑧pin	0.5A	4.0A
Va	CN23 ①pin	0.1A	3.5A
St-by 5 V	CN9002 ①pin	0.1A	0.3A
Vpr2	CN6 ①	0A	0.05A
26 V	CN9003 ①pin	0.1A	1.0A
A13.5 V	CN9001 ⑦pin	0.1A	2.0A
D3.3 V	CN9002 ⑥pin	0A	1.5A
D5 V	CN9002 ⑩pin	0A	1.8A
A6 V	CN9001 ③pin	0A	1.5A
Audio +12 V	CN9004 ⑧pin	0A	0.71A
Audio –12 V	CN9004 ⑤pin	0A	0.71A

1. Apply AC 100 VAC-240 VAC to CN61 of switching regulator

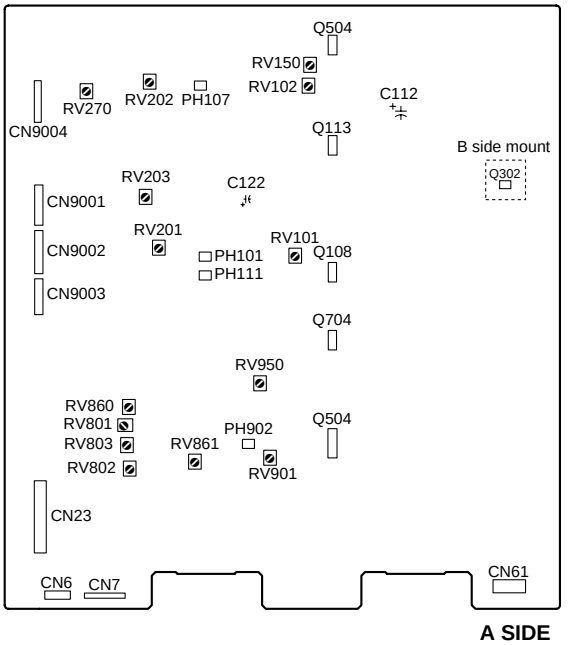
	Applied voltage	Output voltage location	ADJ	Specification
2.	–	St-by 5 V (CN9002 ①-②)	RV203	5.05 ±0.05 V
3.	3.3 V between PFC go (CN7 pin-⑩ and GND)	PFC (C112)	RV301	385 ±2 V
4.	3.3 V between 26 V ON (CN9003 pin-⑧ and GND)	26 V output voltage (CN9003 pin-① and GND)	RV201	26 ±0.1 V
5.	3.3 V between Vcego (CN7 pin-⑧ and GND)	Vcc (5 V) output voltage (CN23 pin-③ and GND)	RV270	5.18 ±0.02 V
6.	3.3 V between Vcego (CN7 pin-⑧ and GND)	A13.5 V output voltage (CN9001 pin-⑦ and GND)	RV202	13.8 ±0.02 V
7.	1.00 V between Vrs (CN7 pin-⑭ and GND) and 3.3 V between Vsago (CN7 pin-⑥ and GND)	Vs output voltage (CN23 pin-⑧ and GND)	RV802	Fully counterclockwise
			RV801	79.6 ±0.05 V
			RV802	80 ±0.1 V
		Va output voltage (CN23 pin-① and GND)	RV803	Fully counterclockwise
			RV860	48.0 ±0.05 V
			RV803	50 ±0.1 V
8.	Set the Va load to 1.0 A.	Iak (CN7⑯-GND)	RV861	0.60 ±0.01 V

9. Change the Vrs and Vra in the range of .05 V to 2.0 V and check to see that the Vs and Va output voltage remain in the variable range.
   If not, repeat the adjustment from step 7.

Vs and Va output voltage variable range

Vrs, Vra	Vs (V)	Va (V)
0.5 V	75 ±1.9 %	40 ±3.0 %
1.0 V	80 ±1.9 %	50 ±3.0 %
2.0 V	90 ±1.9 %	70 ±3.0 %

APS-179 board

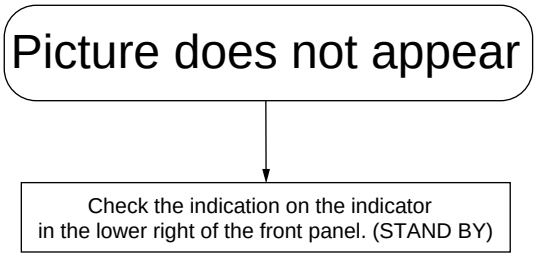


A SIDE

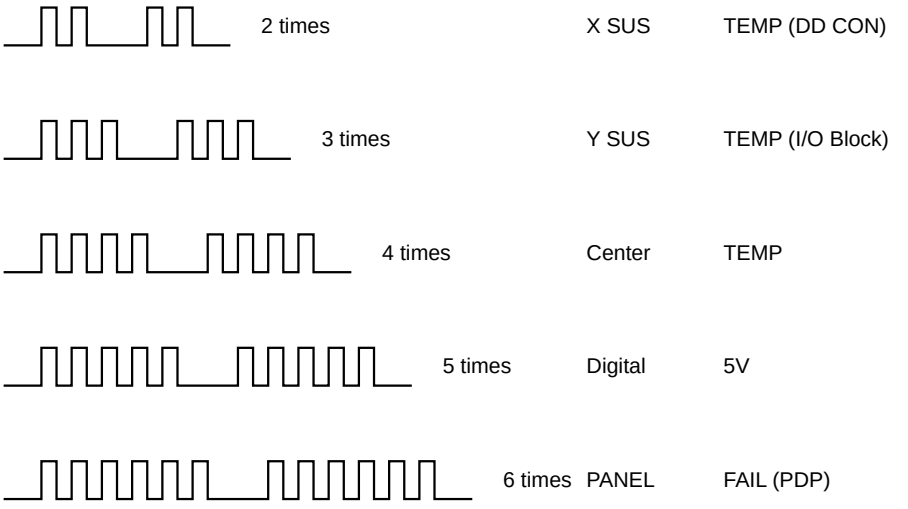
Section 3
Trouble Shooting

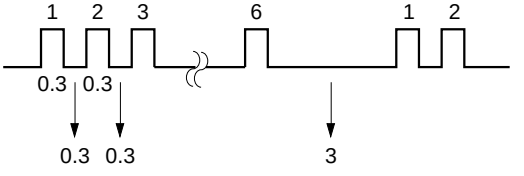
3-1. Judging Method When Image Does Not Appear

3-1-1. Flow chart



a) When the STBY LED is flashing.
Trouble mode is judged by the following flashing times.





b) When the STBY LED flashing is not lighted.
The power supply circuit is defective.

3-1-2. How to Distinguish the Trouble of the PDP Unit.

1) The power supply control signals PFCGO, VCEGO,VSAGO are HIGH.
   Power supply board CN7 pin6 : VSAGO, pin8 : VCEGO, pin10 : PFCGO

2) The power supply for PDP unit is normally supplied.
   The power supply board (APS-179) supplies four kind of voltages.

   Vs voltage : 82.5 V line ..... within from 75 V to 90 V (CN23 pin 8/9/10, CN33 pin 7/8/9)
   Va voltage : 60 V line ..... within from 50 V to 70 V (CN42 pin1, CN52 pin1)
   Vcc voltage : 5.1 V line ..... (CN6 pin6) within ±5 %
   Vpr2 voltage : 3.3 V line ..... (CN6 pin1) within ±5 %

3) VSYNC (negative polarity), PARITY, HSYNC (negative polarity), BLANKING (negative polarity), DCLK, DIGITAL DATA (RGB : 8 bits × 3) are measured as signals and LVDS is output.

   (Measurement points on the B board)
   PARITY : TP271
   HSYNC : TP272
   VSYNC : TP273
   DCLK : TP274
   BLANKING : TP275
   DIGITAL DATA : from RB8220 to RB8225
   LVDS : CN103

   If upper conditions are satisfied, the PDP unit may be defective.

3-2. Self Diagnosis Function

3-2-1. Outline

The PFM-42B2/B2E has the self diagnosis function using A/D converter to detect the power supply analog voltages, 8 channels of temperature sensor, fan operations, power unit temperature, DC voltage status, and to check the EEPROM and the watch register. When any abnormality occurs or defect is detected, the standby indicator on the control panel flashes and the detected data is displayed on the service menu [STATUS/TEST] block. If the abnormal status exceeds the allowable limit, the PFM-42B2/B2E is forced to shut down.

The detection items are shown as follows.

1. Increase of temperature at the I/O block on top of the panel is detected. Shut down of machine.
2. Increase of temperature at the center in the top of the panel is detected. Shut down of machine.
3. Increase of temperature at the XSUS on top of the panel is detected. Shut down of machine.
4. Temperature at the left side of the panel is detected.
5. Detection of fan stop and that of drive circuit failure.
   * Two fans at the bottom of the panel and the two fans for power supply circuit. One fan in the I/O block.
6. Detection of temperature rise in the power supply block.
7. Shut down when the 5 V for internal digital circuit has abnormality.
8. Detection of failure of the EEPROM.
9. Detection of abnormality in communication with scan converter.
10. Detection of failure in the ON/OFF control of power supply.
11. Detection of decreased backup power supply voltage for watch and detection of abnormality in oscillator.
12. Detection of PDP failure using the combination of the voltage detection and shut down of the machine.

3-2-2. Criteria for Judgment of Abnormality

1. Increase of temperature at the top of the I/O block in the top of the panel is detected and shut down of the machine.
   (Name of this function on the service menu : TEMPERATURE - I/O BLOCK TOP)
   The normal operating range is up to 79 °C.
   Warning of high temperature when 80 °C or higher.
   Shut down at the temperature of 85 °C or higher .

2. Increase of temperature at the center in the top of the panel is detected and shut down of the machine.
   (Name of this function on the service menu : TEMPERATURE - CENTER)
   The normal operating range is up to 74 °C.
   Warning of high temperature when 75 °C or higher.
   Shut down at the temperature of 80 °C or higher .

3. Increase of temperature at the rear of the PDP and DC-DC converter block is detected.
   (Name of this function on the service menu : TEMPERATURE - DD CON TOP)
   The normal operating range is up to 84 °C.
   Warning of high temperature when 85 °C or higher .
   Shut down at the temperature of 90 °C or higher.

4. Detection of at the left side of panel temperature
   (Name of this function on the service menu : TEMPERATURE - PANEL SIDE)
   Occurrence of abnormality and fault is judged solely from the internal temperature of the PFM-42B2/B2E. Measurement of the ambient temperature aims mainly at the confirmation of the operating environment. Therefore, there is no chance to indicate this warning message.
   Warning of high temperature at 85 °C or higher.

5. Detection of fan stop and that of drive circuit failure.
   • Detection if fan is stopped or not.
   (Name of this function on the service menu : FAN)
   Status of the respective fans are displayed as OK or NG on the service menu STATUS.

FAN		
DRIVE CIRCUIT	:	OK
• B BOARD	:	OK
• I/O BLOCK SIDE	:	OK
• PS BLOCK (I/O)	:	OK
• PS BLOCK (XSUS)	:	OK
• XSUS SIDE	:	OK

   • Detection of fan drive circuit failure
   (Name of this function on the service menu : FAN - DRIVE CIRCUIT)
   The warning when the fan drive data is 6 V or more and the actual drive voltage is 2 V or less : warning

6. Detection of temperature rise in the power supply block.
   (Name of this function on the service menu : TEMPERATURE - P/S INTERNAL)
   Warning of high temperature when temperature of the heat sink for main converter inside the power supply unit exceeds the allowable limit : warning

   WARNING at 90 °C
   Shut-down at 95 °C

7. Shut down when the 5 V for internal digital circuit has abnormality.
   (Name of this function on the service menu : POWER SUPPLY - DIGITAL 5V)
   The voltage that is input to pin-95 of the system controller (IC509) on the B board is detected.
   Shut down when there is no input voltage :

8. Detection of failure of the EEPROM.
   (Name of this function on the service menu : OTHERS)
   Warning when communication with EEPROM cannot be performed normally.
   • EEPROM ID code error : EEP ROM ID
   • EEPROM data write error : EEP ROM SAVE
   • EEPROM data read error : EEP ROM LOAD
   • EEPROM failure : EEP ROM ACK

9. Detection of abnormality in communication with scan converter.
   (Name of this function on the service menu : OTHERS)
   Warning when communication with scan converter cannot be performed normally.
   PW164ACK

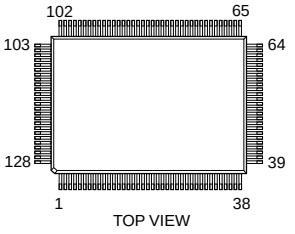
10. Detection of failure in the ON/OFF control of power supply.
    (Name of this function on the service menu : Nil)
    When the digital 5 V power does not decrease even in the STBY state, the machine enters the POWER ON state automatically.

11. Detection of decreased voltage of the backup power supply for watch and detection of abnormality of oscillator.
    (Name of this function on the service menu : OTHERS)
    Normal/abnormal is detected from the register value inside the watch IC.
    • Initialization of time due to abnormal register value : RTC INITIALIZE
    • Warning of low voltage of backup power supply : RTC BATTERY
    • Warning that crystal oscillator for watch has stopped : RTC XTAL

12. The trouble judgment PDP and power supply board In the PDP driving voltages Vs,Va,Vcc and Vpr2, If Vcc and Vpr2 are normal and the power supply control signals PFCGO, VCEGO,VSAGO are HIGH, In case Vs and Va are not input normally, the PDP unit or power supply board is defective.

Section 4
Semiconductors

AD9884AKS-140



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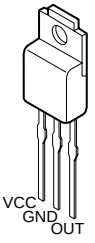
BA12FP-E2



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LM1881M
LMV358MX
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M24C64-WMN6T(A)
MM1113XFBE
NJM2903M
NJU7032M-TE2
SN74CBTD3306PW-E20
ST24FC21M6TR
ST49C101ACF8-05-TR
TC4W53FU
TC4W66F (TE12R)
TC7W126FU(TE12R)
TL026CPS
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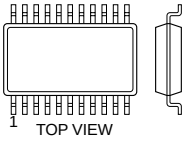

8pin SOP

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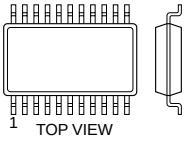

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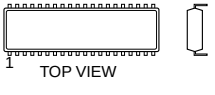

48pin DIP

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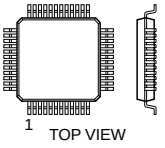

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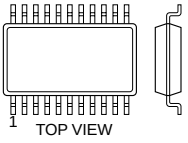

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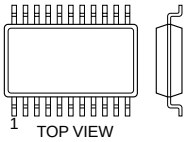

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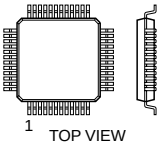

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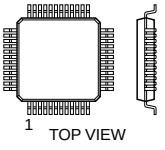

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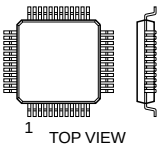

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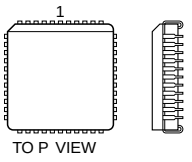

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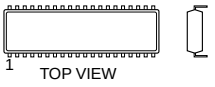

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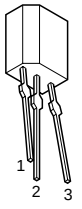

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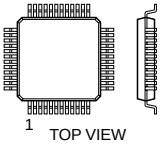

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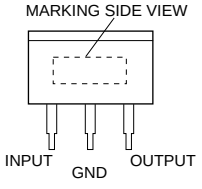

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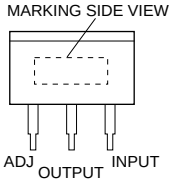

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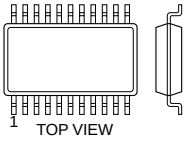
TLC2933IPWR-12



14pin SOP

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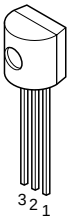

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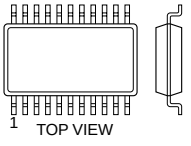

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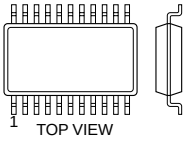

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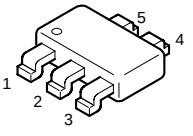

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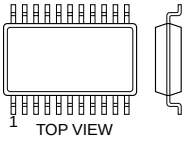

50pin SOP

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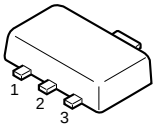

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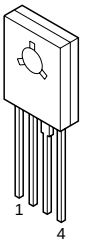

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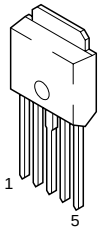

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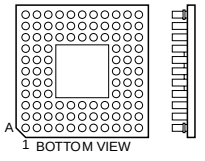

352pin PGA

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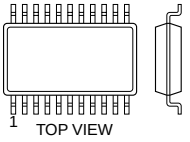

10pin SOP

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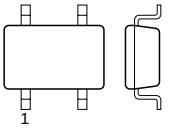

4pin CHIP

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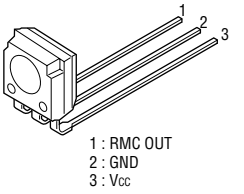

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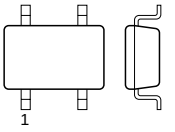

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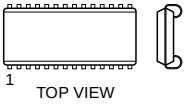

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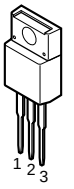

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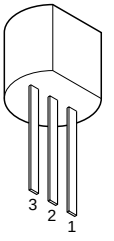

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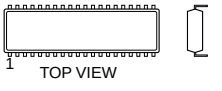

14pin DIP

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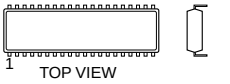

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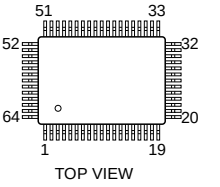

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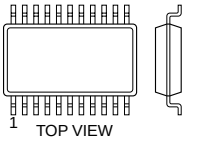

36pin SOP

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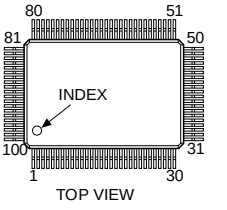

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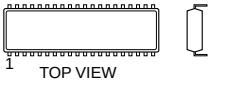

18pin DIP

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MSD601-RT1
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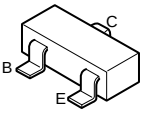
UN2111
UN2211
UN2213



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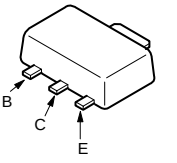

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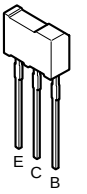

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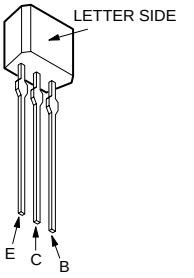

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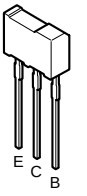

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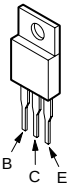

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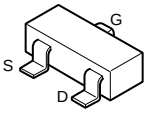
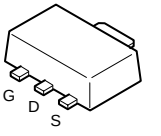


2SJ278MY



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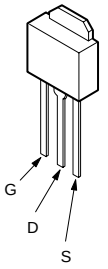

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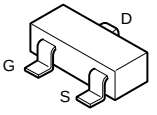

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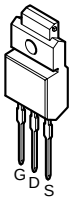

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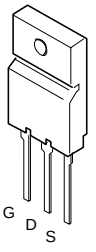

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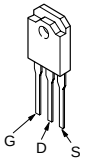

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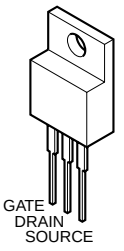

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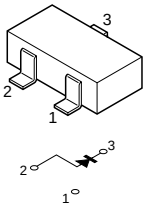

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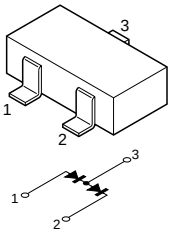

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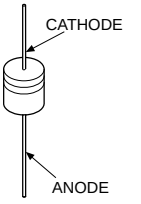

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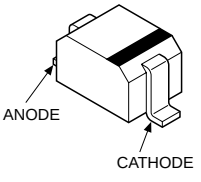
HZU3.3BTRF
HZU30BTRF
HZU4.7BTRF
HZU5.1BTRF
HZU6.2BTRF
MA111-(K8).S0
RD5.6SB



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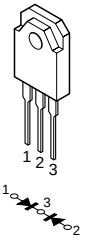

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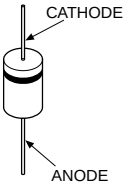

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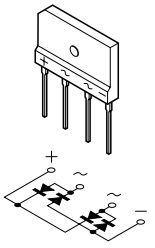

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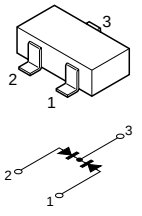

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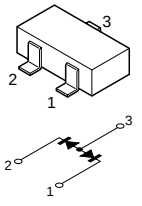

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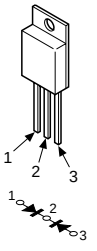
FCQ20A03L



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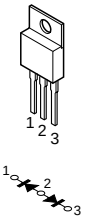

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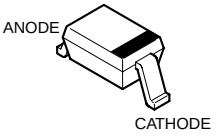
MMDL914T1



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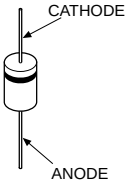

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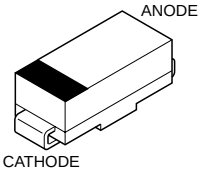

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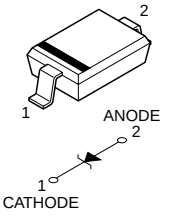
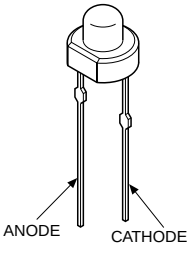
PDZ4.7B-115
PDZ5.6B-115

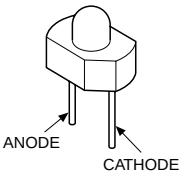


SLR-325MCT31

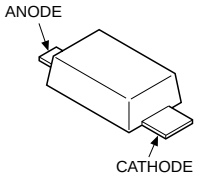


Diode

SLR-325VCT31



UDZS-TE17-5.6B
UZD-TE-17-7.5B



Section 5
Spare Parts

5-1. Notes on Repair Parts

NOTE :

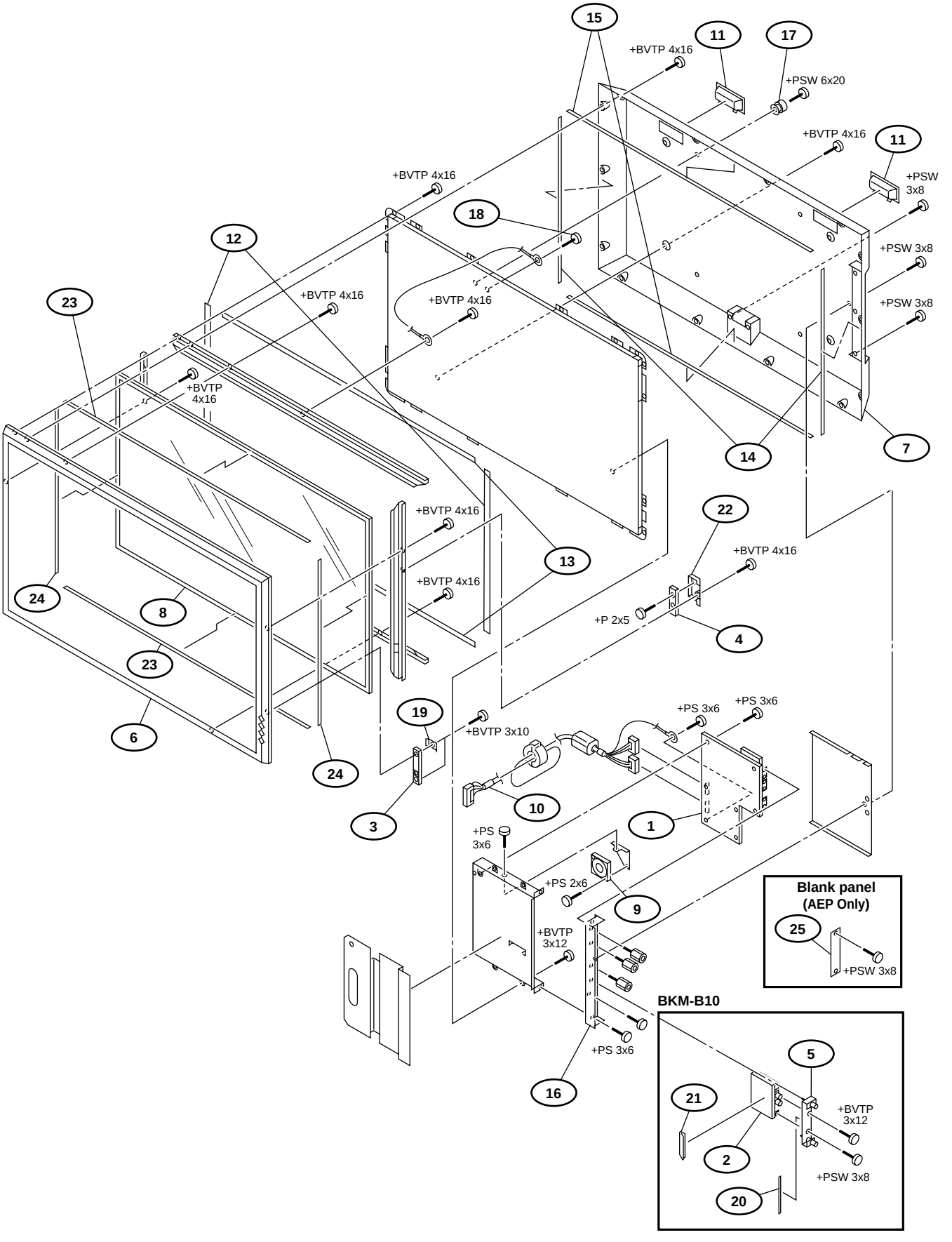
The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " and parts marked with " o " at SP (Supply Code) column of the spare parts list are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.

RESISTORS
- All resistors are in ohms.
- F: nonflammable
- METAL: Metal-film resistor
- METAL OXIDE: Metal oxide-film resistor

5-2. Exploded Views

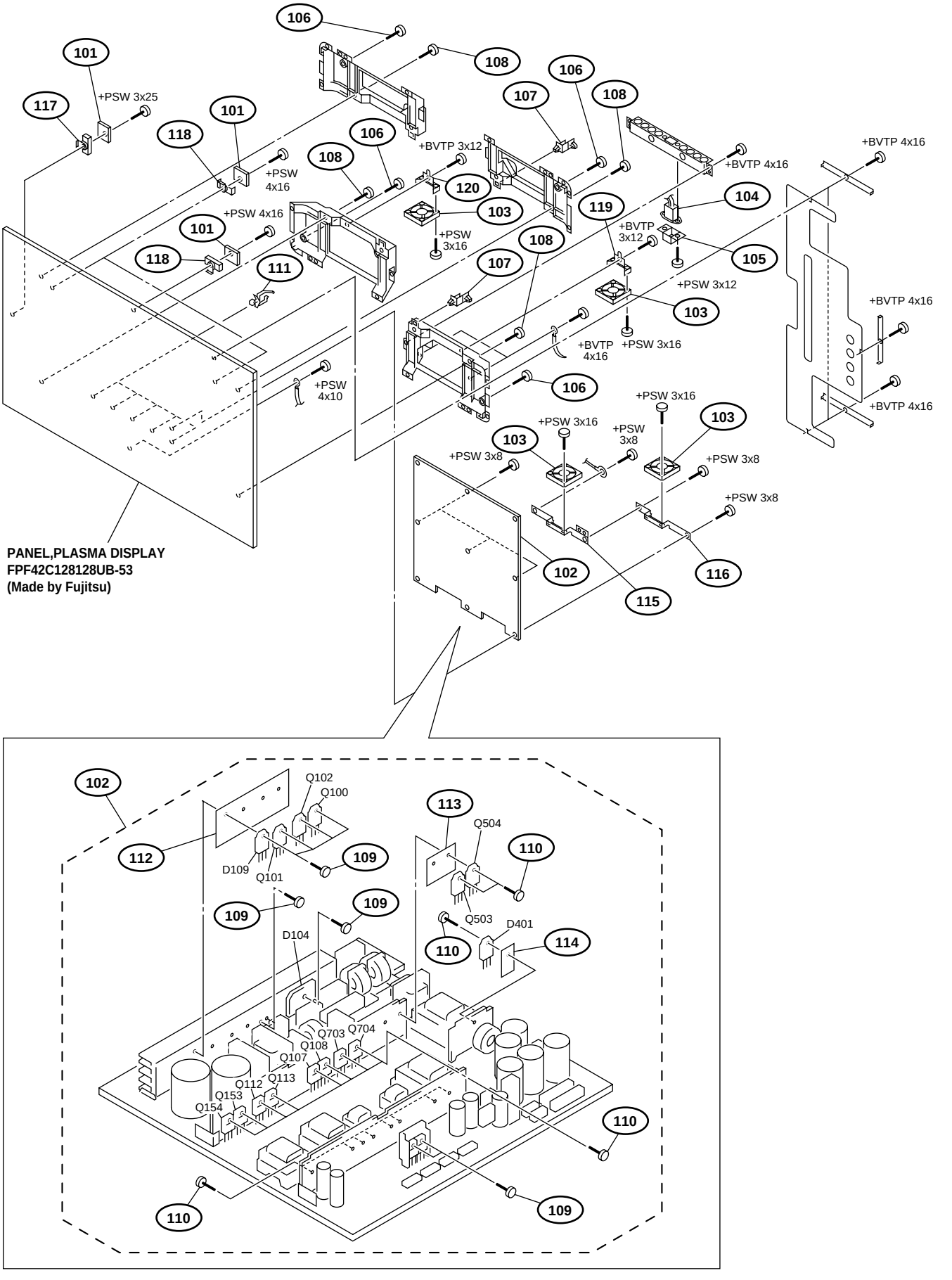


No.	Part No.	SP	Description
1	A-1136-266-A	s	MOUNTED CIRCUIT BOARD, B
2	A-1270-443-A	o	MOUNTED CIRCUIT BOARD, QA
3	A-1373-879-A	s	MOUNTED CIRCUIT BOARD, YA
4	A-1373-880-A	s	MOUNTED CIRCUIT BOARD, YB
5	X-4038-605-2	o	PANEL ASSY, QA
6	X-4038-606-1	s	BEZEL ASSY (FOR SILVER)
7	X-4038-607-5	o	COVER ASSY, REAR (FOR SILVER)
8	1-758-721-21	o	GLASS, OPTICAL FILTER
9	1-763-670-11	s	FAN, DC
10	1-900-267-56	o	CONNECTOR ASSY, LVDS 20P
11	4-043-825-01	s	HANDLE
12	4-088-078-01	s	DUST PROTECTION SHEET
13	4-088-078-11	s	DUST PROTECTION SHEET
14	4-080-966-01	o	GASKET (1X5)
15	4-080-966-11	o	GASKET (1X5)
16	4-080-989-03	s	PANEL, S/C
17	4-081-315-02	s	KNOB
18	4-066-309-01	s	SCREW (M4X8), SW(+) PSMALL
19	4-081-423-01	o	PLATE, EARTH
20	4-082-873-01	o	GASKET (2X4)
21	4-082-874-01	o	GASKET (L TYPE)
22	4-080-980-02	o	BRACKET, Y PWB
23	4-080-965-01	o	GASKET (1X7)
24	4-080-965-11	o	GASKET (1X7)
25	4-080-962-01	o	PANEL, BLANK

Screws/Washers

	7-628-000-10	s	SCREW +PSW M6X20
	7-628-253-20	s	SCREW +PS 2X6
	7-682-647-09	s	SCREW +PS 3X6(EP-FE/ZNBK/CM2)
	7-682-948-09	s	SCREW +PSW 3X8
	7-685-103-19	s	SCREW +PTP 2X5
	7-685-647-79	s	SCREW +BVTP3X10(EP-FE/ZNBK/CM2)
	7-685-648-79	s	SCREW +BV3X12((EP-FE/ZNBK/CM2)
	7-685-663-79	s	SCREW +BVTP4X16(EP-FE/ZNBK/CM2)

Chassis

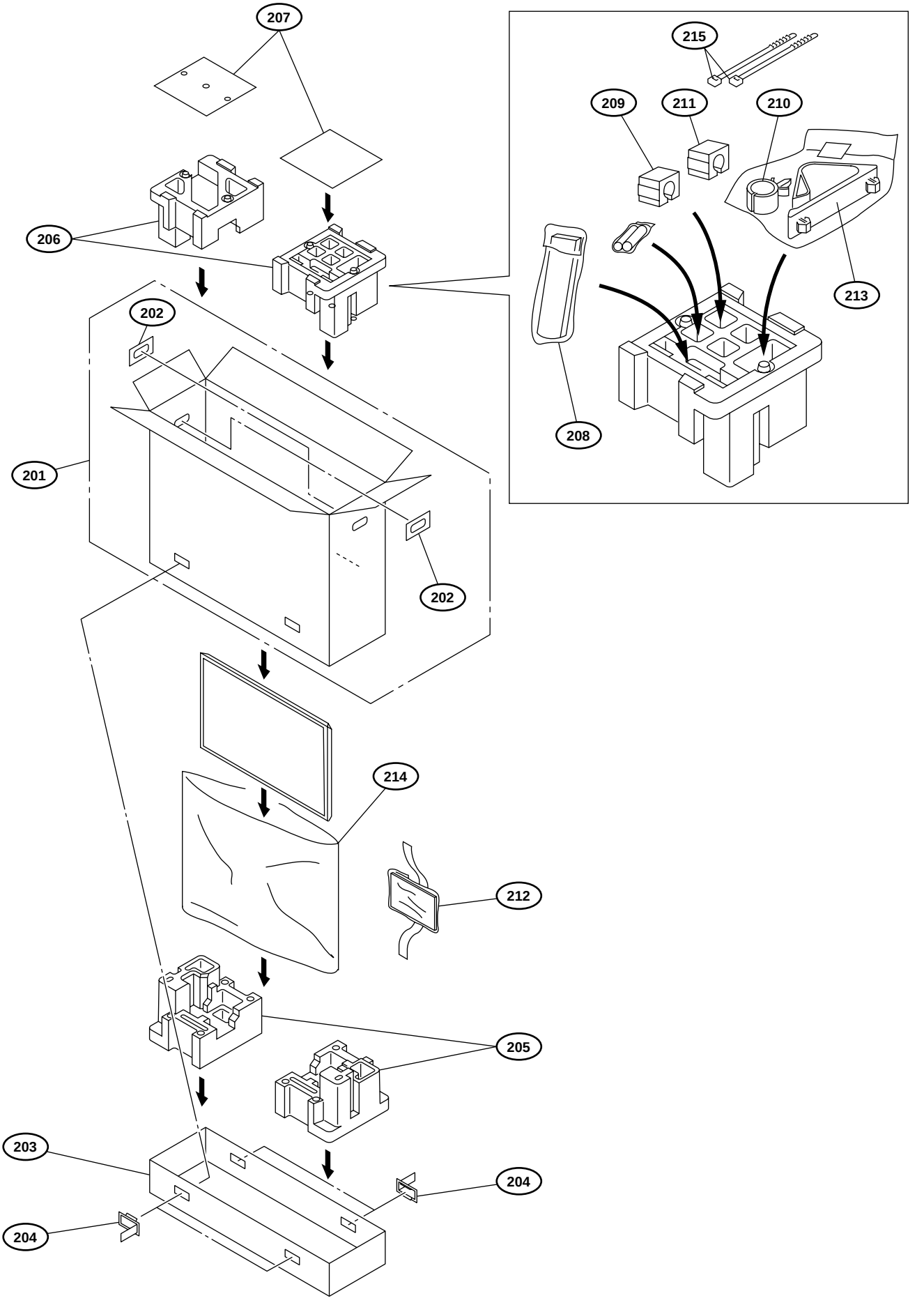

106
101
+PSW 3x25
117
108
106
107
108
101
118
+PSW 4x16
106
+BVTP 3x12
+BVTP 4x16
+BVTP 4x16
108
120
104
+PSW 4x16
103
119
101
+PSW 3x16
+BVTP 3x12
108
118
105
107
111
+PSW 3x12
103
+BVTP 4x16
+BVTP 4x16
+PSW 3x16
+PSW 4x10
106
+PSW 3x16
103
+PSW 3x16
+PSW 3x8
103
+PSW 3x8
+PSW 3x8
+PSW 3x8
PANEL,PLASMA DISPLAY
FPF42C128128UB-53
(Made by Fujitsu)
102
116
115
102
Q102
Q100
113
Q504
112
110
D109
Q101
109
109
109
Q503
D401
D104
110
114
Q703
Q704
Q108
Q107
Q112
Q113
Q153
Q154
110
110
109

No.	Part No.	SP	Description
101	A-1391-178-A	s	MOUNTED CIRCUIT BOARD, S
102	⚠ 1-468-660-11	s	REGULATOR, SWITCHING
103	1-763-659-11	s	FAN, DC
104	⚠ 1-816-679-11	s	INLET, AC (WITH NOISE FILTER)
105	2-990-241-02	s	HOLDER (A), PLUG
106	4-066-309-01	s	SCREW (M4X8), SW (+) P SMALL
107	4-353-620-11	o	HINGE, PC BOARD (PA)
108	4-957-517-01	s	SCREW (5X40), +PSW
109	2-434-993-11	s	WASHER (3X8), RS TITE SPRING
110	2-434-993-21	s	SCREW +PS 3X10 (EP-FE/ZNBK/CM2)
111	3-919-255-01	o	HOLDER, PC BOARD
112	2-409-405-01	o	SHEET, RADIATION
113	2-433-423-01	o	SHEET (2-TO3P), RADIATION
114	2-433-336-11	o	SHEET TO-3P (20CG), RADIATION
115	4-086-566-02	o	BRACKET, (R)FAN
116	4-086-567-02	o	BRACKET, (L)FAN
117	4-086-464-02	o	BRACKET (L), S PWB
118	4-081-421-01	o	BRACKET, S PWB
119	4-086-756-01	o	BRACKET2, FAN

Screws/Washers

	7-682-948-09	s	SCREW +PSW 3X8
	7-682-950-09	s	SCREW +PSW 3X12(EP-FE/ZNBK/CM2
	7-682-952-09	s	SCREW +PSW 3X16(EP-FE/ZNBK/CM2
	7-682-965-01	s	SCREW +PSW 4X16
	7-682-962-01	s	SCREW +PSW 4X10
	7-682-954-09	s	SCREW +PSW3X25(EP-FE/ZNBK/CM2)
	7-685-648-79	s	SCREW +BV3X12(EP-FE/ZNBK/CM2)
	7-685-663-79	s	SCREW +BVTP4X16(EP-FE/ZNBK/CM2

Packing Materials



No.	Part No.	SP	Description
201	4-080-651-04	o	INDIVIDUAL CARTON
202	3-704-066-01	o	HANDLE (B)
203	4-080-652-02	o	TRAY
204	3-674-673-01	o	STOPPER (A)
205	4-080-646-01	o	CUSHION (LOWER) (ASSY)
206	4-080-645-01	o	CUSHION (UPPER) (ASSY)
207	4-080-653-01	o	HOLDER
208	1-476-545-12	s	REMOTE COMMANDER (RM-42B)
209	2-990-242-01	s	HOLDER (B), PLUG
210	4-066-900-01	s	CLAMP, MINI
211	3-613-640-01	o	PLUG,HOLDER C
212	4-080-938-02	s	OPERATING, INSTRUCTIONS (JAPANESE, ENGLISH, FRENCH, GERMAN, SPANISH, ITALIAN, SIMPLIFIED CHINESE)
213	4-081-316-01	s	HOLDER, CABLE
214	4-091-182-01	s	BAG, PROTECTION
215	3-701-748-00	s	HOLDER,WIRE

5-3. Electrical Parts List

B BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1136-266-A	s	MOUNTED CIRCUIT BOARD, B
1pc	1-251-093-11	s	SOCKET,IC
BAT500	1-550-104-21	s	HOLDER,BATTERY
C1	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C2	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C3	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C4	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C6	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C7	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C8	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C9	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C10	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C12	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C13	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C14	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C15	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C16	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C18	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C19	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C20	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C21	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C23	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C24	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C25	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C26	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C27	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C100	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C101	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C102	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C103	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C104	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C105	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C106	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C107	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C108	1-117-148-11	s	CAPACITOR,ELECT 4.7MF 50V
C109	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C110	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C111	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C112	1-163-227-11	s	CAPACITOR CERAMIC 10PF/50V(CH)
C113	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C114	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C115	1-163-251-11	s	CAPACITOR CERAMIC 100PF/50V
C116	1-163-259-91	s	CAPACITOR,CHIP CERAMIC 220PF
C117	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C119	1-163-251-11	s	CAPACITOR CERAMIC 100PF/50V
C200	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C201	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C202	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C203	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C204	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C205	1-126-400-11	s	CAPACITOR ELECT 22MF/35V(CHIP)
C206	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C207	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C208	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C209	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C210	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C211	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C212	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V

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Ref. No. or Q'ty	Part No.	SP	Description
C213	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C214	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C215	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C216	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C217	1-164-489-11	s	CAPACITOR,CHIP CERAMIC 0.22MF
C218	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C219	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C220	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C221	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C222	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C223	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C224	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C225	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C226	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C227	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C228	1-126-400-11	s	CAPACITOR ELECT 22MF/35V(CHIP)
C229	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C230	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C231	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C232	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C233	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C234	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C235	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C236	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C237	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C238	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C239	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C240	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C241	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C242	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C243	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C244	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C245	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C246	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C247	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C248	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C249	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C250	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C251	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C252	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C253	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C254	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C255	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C256	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C257	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C258	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C259	1-135-216-11	s	CAPACITOR TANTALUM 10MF/10V
C260	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C262	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C264	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C265	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C266	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C267	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C268	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C269	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C270	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C271	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C272	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C273	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V

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Ref. No. or Q'ty	Part No.	SP	Description
C274	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C275	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C276	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C277	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C278	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C279	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C280	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C281	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C282	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C283	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C284	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C285	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C286	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C287	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C288	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C289	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C290	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C291	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C292	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C293	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C294	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C295	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C296	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C297	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C298	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C299	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C300	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C301	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C304	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C305	1-163-243-11	s	CAPACITOR CHIP CERAMIC 47PF/50
C312	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C313	1-163-247-11	s	CAP, CHIP CERAMIC 68PF CH 2012
C314	1-163-247-11	s	CAP, CHIP CERAMIC 68PF CH 2012
C315	1-163-247-11	s	CAP, CHIP CERAMIC 68PF CH 2012
C317	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C318	1-164-161-11	s	CAPACITOR, CERAMIC 2200PF/100V
C320	1-126-401-11	s	CAPACITOR, ELECT 1MF/50V(CHIP)
C500	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C501	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C502	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C503	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C504	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C506	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C507	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C508	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C509	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C510	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C511	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C512	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C513	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C514	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C515	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C516	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C517	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C519	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C520	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C521	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C522	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C523	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)

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Ref. No. or Q'ty	Part No.	SP	Description
C524	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C525	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C526	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C527	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C528	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C529	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C530	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C531	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C532	1-163-227-11	s	CAPACITOR CERAMIC 10PF/50V(CH)
C533	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C534	1-163-227-11	s	CAPACITOR CERAMIC 10PF/50V(CH)
C535	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C536	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C537	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C538	1-163-133-00	s	CAPACITOR,CHIP CERAMIC 470PF
C539	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C540	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C541	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C542	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C543	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C544	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C545	1-125-838-11	s	CAPACITOR, CERAMIC 2.2MF/6.3V
C546	1-125-838-11	s	CAPACITOR, CERAMIC 2.2MF/6.3V
C547	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C548	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C549	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C550	1-163-253-11	s	CAPACITOR CERAMIC 120PF/50V
C551	1-163-253-11	s	CAPACITOR CERAMIC 120PF/50V
C552	1-163-253-11	s	CAPACITOR CERAMIC 120PF/50V
C553	1-163-253-11	s	CAPACITOR CERAMIC 120PF/50V
C554	1-163-275-11	s	CAPACITOR CERAMIC 1000PF/50V
C555	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C556	1-163-253-11	s	CAPACITOR CERAMIC 120PF/50V
C557	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C560	1-163-233-91	s	CAPACITOR,CHIP CERAMIC 18PF/50
C561	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C601	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C602	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C703	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C704	1-126-392-11	s	CAPACITOR,CHIP ELECT100MF/6.3V
C705	1-126-392-11	s	CAPACITOR,CHIP ELECT100MF/6.3V
C706	1-126-392-11	s	CAPACITOR,CHIP ELECT100MF/6.3V
C707	1-126-392-11	s	CAPACITOR,CHIP ELECT100MF/6.3V
C708	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C709	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C710	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C711	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C712	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C713	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C714	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C715	1-126-400-11	s	CAPACITOR ELECT 22MF/35V(CHIP)
C716	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C717	1-126-400-11	s	CAPACITOR ELECT 22MF/35V(CHIP)
C718	1-115-670-11	s	CAPACITOR ELECT 220MF/35V(CHIP
C719	1-115-670-11	s	CAPACITOR ELECT 220MF/35V(CHIP
C720	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C721	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C801	1-128-396-11	s	CAPACITOR,ELECT 470MF/10V CHIP
C927	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216

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Ref. No. or Q'ty	Part No.	SP	Description
C928	1-115-459-11	s	CAPACITOR,ELECT 47MF/6.3V(BP)
C937	1-127-692-11	s	CAP, CHIP CERAMIC 10MF B 3216
C938	1-115-459-11	s	CAPACITOR,ELECT 47MF/6.3V(BP)
C1000	1-163-229-11	s	CAPACITOR CHIP 12PF/50V(2125)
C1001	1-163-089-00	s	CAPACITOR,CHIP CERAMIC 6.0PF
C1002	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C1003	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1004	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C1005	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1006	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C1007	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1008	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1009	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1010	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1011	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1012	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1013	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1014	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1015	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C1016	1-126-401-11	s	CAPACITOR, ELECT 1MF/50V(CHIP)
C1017	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1018	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1019	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1020	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1021	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1022	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1023	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1024	1-126-398-11	s	CAPACITOR ELECT 4.7MF/35V(CHIP
C1025	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1026	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1027	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C1028	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1029	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C1030	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1031	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C1032	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C1033	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1034	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1035	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1036	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1037	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C1038	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C1039	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1040	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1041	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1042	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1043	1-126-401-11	s	CAPACITOR, ELECT 1MF/50V(CHIP)
C1044	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C1045	1-164-346-11	s	CAPACITOR CHIP CERAMIC 1MF/16V
C1046	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1047	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1048	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1049	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1050	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1051	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1052	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1053	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1055	1-163-251-11	s	CAPACITOR CERAMIC 100PF/50V
C1056	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V

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Ref. No. or Q'ty	Part No.	SP	Description
C1057	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1058	1-163-102-00	s	CAPACITOR,CHIP CERAMIC 24PF/50
C1059	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1060	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1061	1-163-102-00	s	CAPACITOR,CHIP CERAMIC 24PF/50
C1062	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1063	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1064	1-126-392-11	s	CAPACITOR,CHIP ELECT100MF/6.3V
C1065	1-163-247-11	s	CAP, CHIP CERAMIC 68PF CH 2012
C1066	1-163-231-11	s	CAPACITOR,CHIP CERAMIC15PF/50V
C1067	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1068	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1069	1-164-346-11	s	CAPACITOR CHIP CERAMIC 1MF/16V
C1070	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1071	1-115-154-11	s	CAPACITOR ELECT 10MF/16V(BP)
C1072	1-163-241-11	s	CAPACITOR CERAMIC 39PF/50(2012
C1073	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1074	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1075	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1076	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1077	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1078	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1079	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1080	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1081	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1082	1-164-346-11	s	CAPACITOR CHIP CERAMIC 1MF/16V
C1083	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1084	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1085	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C1086	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1087	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1088	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C1089	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1090	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1091	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1092	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1093	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1094	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1095	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1096	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1097	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1098	1-163-809-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C1099	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C1100	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1101	1-163-809-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C1102	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1103	1-163-809-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C1104	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1105	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1106	1-163-253-11	s	CAPACITOR CERAMIC 120PF/50V
C1107	1-163-235-11	s	CAPACITOR,CHIP CERAMIC22PF/50V
C1108	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C1109	1-126-401-11	s	CAPACITOR, ELECT 1MF/50V(CHIP)
C1110	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1111	1-164-162-11	s	CAPACITOR,CHIP CERAMIC 100PF
C1112	1-126-401-11	s	CAPACITOR, ELECT 1MF/50V(CHIP)
C1113	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1115	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1116	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V

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Ref. No. or Q'ty	Part No.	SP	Description
C1117	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1118	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1119	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1120	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1121	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C1122	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1123	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1124	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1125	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1126	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1127	1-164-182-11	s	CAPACITOR, CERAMIC 3300PF/100V
C1128	1-164-344-11	s	CAPACITOR CERAMIC 68000PF (M-)
C1129	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1130	1-163-259-91	s	CAPACITOR,CHIP CERAMIC 220PF
C1131	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1132	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1133	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1134	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1135	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1136	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1137	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1138	1-137-993-11	s	CAPACITOR CHIP ELECT 470MF
C1139	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1140	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1141	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1142	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1143	1-137-993-11	s	CAPACITOR CHIP ELECT 470MF
C1144	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1145	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1146	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1147	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1148	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1149	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1150	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1151	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1152	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1153	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1154	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1155	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C1156	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C1157	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1158	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1159	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1160	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1161	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1162	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C1164	1-126-392-11	s	CAPACITOR,CHIP ELECT100MF/6.3V
C1165	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C1168	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C1169	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C1170	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1171	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1172	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1173	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1174	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1175	1-163-243-11	s	CAPACITOR CHIP CERAMIC 47PF/50
C1176	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1177	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1178	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V

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Ref. No. or Q'ty	Part No.	SP	Description
C1179	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1182	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1183	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C1184	1-126-392-11	s	CAPACITOR,CHIP ELECT100MF/6.3V
C1185	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1186	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1187	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1188	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1189	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1190	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1191	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1192	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1193	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1194	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1195	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1196	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1197	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1198	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1199	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1200	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1201	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1202	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1203	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1204	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1205	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1206	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1207	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1208	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1209	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1210	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1211	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1212	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1213	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1214	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1215	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1216	1-126-392-11	s	CAPACITOR,CHIP ELECT100MF/6.3V
C1217	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1218	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1219	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1220	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1221	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1222	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1223	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1224	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1225	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1226	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1227	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1228	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1229	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1230	1-126-398-11	s	CAPACITOR ELECT 4.7MF/35V(CHIP
C1231	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1232	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1233	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C1234	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1235	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1236	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1237	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1238	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1239	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP

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Ref. No. or Q'ty	Part No.	SP	Description
C1240	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1241	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1242	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1243	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1244	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1245	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1246	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1247	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1248	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1249	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C1250	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1251	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1252	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1261	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1262	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1263	1-163-243-11	s	CAPACITOR CHIP CERAMIC 47PF/50
C1264	1-163-243-11	s	CAPACITOR CHIP CERAMIC 47PF/50
C1265	1-163-243-11	s	CAPACITOR CHIP CERAMIC 47PF/50
C1266	1-163-243-11	s	CAPACITOR CHIP CERAMIC 47PF/50
C1267	1-163-243-11	s	CAPACITOR CHIP CERAMIC 47PF/50
C1268	1-163-243-11	s	CAPACITOR CHIP CERAMIC 47PF/50
C1269	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1270	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1271	1-163-235-11	s	CAPACITOR,CHIP CERAMIC22PF/50V
C1278	1-126-392-11	s	CAPACITOR,CHIP ELECT100MF/6.3V
C1282	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1283	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C1284	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF
C4000	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C4001	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C4002	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4003	1-163-275-11	s	CAPACITOR CERAMIC 1000PF/50V
C4004	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C4005	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4006	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4007	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4008	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4009	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C4010	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4011	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C4012	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C4013	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C4014	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4015	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C4016	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4017	1-164-489-11	s	CAPACITOR,CHIP CERAMIC 0.22MF
C4018	1-163-275-11	s	CAPACITOR CERAMIC 1000PF/50V
C4019	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4020	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4021	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4022	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C4023	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C4024	1-163-247-11	s	CAP, CHIP CERAMIC 68PF CH 2012
C4025	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4026	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4027	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4028	1-163-275-11	s	CAPACITOR CERAMIC 1000PF/50V
C4029	1-163-233-91	s	CAPACITOR,CHIP CERAMIC 18PF/50
C4030	1-163-235-11	s	CAPACITOR,CHIP CERAMIC22PF/50V
C4031	1-115-670-11	s	CAPACITOR ELECT 220MF/35V(CHIP

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C4032	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4033	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4034	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4035	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4036	1-163-245-11	s	CAPACITOR CERAMIC 56PF/50V
C4037	1-163-809-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C4038	1-163-275-11	s	CAPACITOR CERAMIC 1000PF/50V
C4039	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4040	1-163-133-00	s	CAPACITOR,CHIP CERAMIC 470PF
C4041	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4042	1-126-405-11	s	CAPACITOR,ELECT 10MF/50V(CHIP
C4043	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4044	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4045	1-163-127-00	s	CAPACITOR,CHIP CERAMIC 270PF
C4046	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4047	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4048	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4049	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4050	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4051	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4052	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4053	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4054	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4055	1-163-253-11	s	CAPACITOR CERAMIC 120PF/50V
C4056	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4057	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4058	1-163-137-00	s	CAPACITOR,CHIP CERAMIC 680PF
C4059	1-163-263-11	s	CAPACITOR CERAMIC 330PF/50V
C4060	1-163-137-00	s	CAPACITOR,CHIP CERAMIC 680PF
C4061	1-163-092-00	s	CAPACITOR,CHIP CERAMIC 9PF/50V
C4062	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4063	1-163-227-11	s	CAPACITOR CERAMIC 10PF/50V(CH)
C4064	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C4065	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4066	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4067	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4068	1-117-148-11	s	CAPACITOR,ELECT 4.7MF 50V
C4069	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C4070	1-163-275-11	s	CAPACITOR CERAMIC 1000PF/50V
C4071	1-126-401-11	s	CAPACITOR, ELECT 1MF/50V
C4072	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4073	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4074	1-164-489-11	s	CAPACITOR, ELECT 0.22MF/50V(CHIP)
C4075	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C4076	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4077	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4078	1-163-227-11	s	CAPACITOR CERAMIC 10PF/50V(CH)
C4079	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C4080	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C4081	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4082	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4083	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4084	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4085	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4086	1-126-398-11	s	CAPACITOR ELECT 4.7MF/35V(CHIP
C4088	1-128-235-11	s	CAPACITOR ELECT 0.47MF/50V
C4089	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4090	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4091	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C4092	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4093	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4094	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C4095	1-163-259-91	s	CAPACITOR,CHIP CERAMIC 220PF
C4096	1-126-398-11	s	CAPACITOR ELECT 4.7MF/35V(CHIP
C4097	1-163-145-00	s	CAPACITOR,CHIP CERAMIC 1500PF
C4098	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4099	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C4100	1-126-392-11	s	CAPACITOR,CHIP ELECT100MF/6.3V
C4103	1-163-137-00	s	CAPACITOR,CHIP CERAMIC 680PF
C4104	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4105	1-163-263-11	s	CAPACITOR CERAMIC 330PF/50V
C4106	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4107	1-163-131-00	s	CAPACITOR,CHIP CERAMIC 390PF
C4108	1-163-131-00	s	CAPACITOR,CHIP CERAMIC 390PF
C4109	1-104-760-11	s	CAPACITOR CERAMIC 0.047MF/50V
C4110	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4111	1-104-760-11	s	CAPACITOR CERAMIC 0.047MF/50V
C4112	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C4113	1-163-227-11	s	CAPACITOR CERAMIC 10PF/50V(CH)
C4114	1-163-137-00	s	CAPACITOR,CHIP CERAMIC 680PF
C6142	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C6143	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6144	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6145	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C6181	1-127-573-11	s	CAPACITOR,CERAMIC 1MFB(2012)
C6182	1-127-573-11	s	CAPACITOR,CERAMIC 1MFB(2012)
C6183	1-127-573-11	s	CAPACITOR,CERAMIC 1MFB(2012)
C6184	1-127-573-11	s	CAPACITOR,CERAMIC 1MFB(2012)
C6951	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6952	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C6953	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6971	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6972	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6973	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6974	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C6981	1-126-394-11	s	CAPACITOR,ELECT 10MF/16V(CHIP)
C6982	1-126-394-11	s	CAPACITOR,ELECT 10MF/16V(CHIP)
C6985	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6986	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6991	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6992	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6993	1-126-394-11	s	CAPACITOR,ELECT 10MF/16V(CHIP)
C8001	1-126-392-11	s	CAPACITOR,CHIP ELECT100MF/6.3V
C8002	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C8003	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C8004	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C8005	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C9001	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C9002	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C9003	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C9004	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C9005	1-126-394-11	s	CAPACITOR,ELECT 10MF/16V(CHIP)
C9006	1-126-394-11	s	CAPACITOR,ELECT 10MF/16V(CHIP)
C9007	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C9008	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C9101	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C9102	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C9103	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V

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Ref. No. or Q'ty	Part No.	SP	Description
C9104	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C9105	1-126-394-11	s	CAPACITOR,ELECT 10MF/16V(CHIP)
C9106	1-126-394-11	s	CAPACITOR,ELECT 10MF/16V(CHIP)
C9107	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C9108	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C9109	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C9110	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C9111	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C9112	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C9113	1-102-125-00	s	CAPACITOR,CERAMIC 0.0047MF/50V
C9114	1-102-125-00	s	CAPACITOR,CERAMIC 0.0047MF/50V
CN103	1-764-097-11	o	PIN, CONNECTOR (PC BOARD) 12P
CN104	1-506-474-11	s	PIN,CONNECTOR 9P
CN105	1-506-468-11	s	PIN,CONNECTOR (3P)
CN106	1-564-877-31	o	PIN, CONNECTOR 15P
CN107	1-764-093-21	o	PIN, CONNECTOR (PC BOARD) 8P
CN109	1-506-491-11	s	PIN,CONNECTOR 12P
CN110	1-506-487-11	s	PIN,CONNECTOR 8P
CN112	1-506-494-11	s	PIN,CONNECTOR (15P)
CN115	1-506-473-11	s	PIN,CONNECTOR 8P
CN118	1-506-468-11	s	PIN,CONNECTOR (3P)
CN121	1-764-080-21	s	PIN, CONNECTOR (PC BOARD) 8P
CN801	1-766-809-11	o	PIN, CONNECTOR (PC BOARD) 3P
CN6102	1-770-418-11	o	CONNECTOR, BOARD TO BOARD 30P
CN6103	1-785-568-21	s	PIN, CONNECTOR (PC BOARD) 8P
CN6104	1-785-568-21	s	PIN, CONNECTOR (PC BOARD) 8P
CN6105	1-778-529-11	s	PIN, CONNECTOR (PC BOARD) 7P
CN6106	1-778-529-11	s	PIN, CONNECTOR (PC BOARD) 7P
CN6910	1-815-410-11	o	SOCKET, CONNECTOR
CN8001	1-506-492-11	o	PIN,CONNECTOR 13P
D1	8-719-073-01	s	DIODE MA111-(K8).S0
D100	8-719-050-38	s	DIODE M1MA152WK-T1
D101	8-719-070-55	s	DIODE PDZ4.7B-115
D102	8-719-070-55	s	DIODE PDZ4.7B-115
D103	8-719-050-38	s	DIODE M1MA152WK-T1
D201	8-719-073-01	s	DIODE MA111-(K8).S0
D504	8-719-070-57	s	DIODE PDZ5.6B-115
D505	8-719-070-57	s	DIODE PDZ5.6B-115
D506	8-719-070-57	s	DIODE PDZ5.6B-115
D507	8-719-070-57	s	DIODE PDZ5.6B-115
D508	8-719-070-57	s	DIODE PDZ5.6B-115
D509	8-719-070-57	s	DIODE PDZ5.6B-115
D510	8-719-073-01	s	DIODE MA111-(K8).S0
D511	8-719-073-01	s	DIODE MA111-(K8).S0
D512	8-719-073-01	s	DIODE MA111-(K8).S0
D513	8-719-073-01	s	DIODE MA111-(K8).S0
D514	8-719-073-01	s	DIODE MA111-(K8).S0
D515	8-719-073-01	s	DIODE MA111-(K8).S0
D516	8-719-073-01	s	DIODE MA111-(K8).S0
D700	8-719-070-57	s	DIODE PDZ5.6B-115
D701	8-719-073-01	s	DIODE MA111-(K8).S0
D702	8-719-059-22	s	DIODE NSQ03A06-TE16L
D703	8-719-073-01	s	DIODE MA111-(K8).S0
D704	8-719-073-01	s	DIODE MA111-(K8).S0
D705	8-719-073-01	s	DIODE MA111-(K8).S0
D804	8-719-070-55	s	DIODE PDZ4.7B-115
D805	8-719-070-55	s	DIODE PDZ4.7B-115
D940	8-719-070-55	s	DIODE PDZ4.7B-115
D941	8-719-070-55	s	DIODE PDZ4.7B-115
D942	8-719-070-55	s	DIODE PDZ4.7B-115

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D943	8-719-070-55	s	DIODE PDZ4.7B-115
D944	8-719-070-55	s	DIODE PDZ4.7B-115
D945	8-719-070-55	s	DIODE PDZ4.7B-115
D946	8-719-070-55	s	DIODE PDZ4.7B-115
D947	8-719-070-55	s	DIODE PDZ4.7B-115
D948	8-719-073-01	s	DIODE MA111-(K8).S0
D1000	8-719-062-51	s	DIODE 1PS226-115
D1001	8-719-062-51	s	DIODE 1PS226-115
D1002	8-719-062-51	s	DIODE 1PS226-115
D1003	8-719-073-01	s	DIODE MA111-(K8).S0
D1004	8-719-073-01	s	DIODE MA111-(K8).S0
D1005	8-719-081-97	s	DIODE MMDL914T1
D1006	8-719-073-01	s	DIODE MA111-(K8).S0
D1007	8-719-072-64	s	DIODE PDZ3.9B-115
D4000	8-719-073-01	s	DIODE MA111-(K8).S0
D4001	8-719-073-01	s	DIODE MA111-(K8).S0
D4002	8-719-050-38	s	DIODE M1MA152WK-T1
D4003	8-719-050-38	s	DIODE M1MA152WK-T1
D4004	8-719-073-01	s	DIODE MA111-(K8).S0
D4005	8-719-050-38	s	DIODE M1MA152WK-T1
D4006	8-719-031-68	s	DIODE HVU359-TRU(VARI-CAP)
D4007	8-719-031-68	s	DIODE HVU359-TRU(VARI-CAP)
D4008	8-719-031-68	s	DIODE HVU359-TRU(VARI-CAP)
D6181	8-719-073-01	s	DIODE MA111-(K8).S0
D6182	8-719-073-01	s	DIODE MA111-(K8).S0
D6183	8-719-073-01	s	DIODE MA111-(K8).S0
D6184	8-719-070-55	s	DIODE PDZ4.7B-115
D8001	8-719-070-57	s	DIODE PDZ5.6B-115
D8002	8-719-062-51	s	DIODE 1PS226-115
D8003	8-719-062-51	s	DIODE 1PS226-115
D8004	8-719-062-51	s	DIODE 1PS226-115
D9001	8-719-062-51	s	DIODE 1PS226-115
D9004	8-719-062-51	s	DIODE 1PS226-115
D9005	8-719-402-16	s	DIODE MA3100-TX
D9006	8-719-402-16	s	DIODE MA3100-TX
D9007	8-719-062-51	s	DIODE 1PS226-115
D9008	8-719-062-51	s	DIODE 1PS226-115
D9009	8-719-062-51	s	DIODE 1PS226-115
D9010	8-719-070-55	s	DIODE PDZ4.7B-115
D9011	8-719-070-55	s	DIODE PDZ4.7B-115
D9101	8-719-062-51	s	DIODE 1PS226-115
D9104	8-719-062-51	s	DIODE 1PS226-115
D9105	8-719-402-16	s	DIODE MA3100-TX
D9106	8-719-402-16	s	DIODE MA3100-TX
D9107	8-719-062-51	s	DIODE 1PS226-115
D9108	8-719-062-51	s	DIODE 1PS226-115
D9109	8-719-062-51	s	DIODE 1PS226-115
D9110	8-719-070-55	s	DIODE PDZ4.7B-115
D9111	8-719-070-55	s	DIODE PDZ4.7B-115
D9201	8-719-402-16	s	DIODE MA3100-TX
D9202	8-719-402-16	s	DIODE MA3100-TX
D9203	8-719-402-16	s	DIODE MA3100-TX
D9204	8-719-402-16	s	DIODE MA3100-TX
D9301	8-719-025-47	s	DIODE 02CZ12-TE85L
D9302	8-719-025-47	s	DIODE 02CZ12-TE85L
D9303	8-719-025-47	s	DIODE 02CZ12-TE85L
D9304	8-719-025-47	s	DIODE 02CZ12-TE85L
D9305	8-719-025-47	s	DIODE 02CZ12-TE85L
D9306	8-719-025-47	s	DIODE 02CZ12-TE85L

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Ref. No. or Q'ty	Part No.	SP	Description
D9307	8-719-025-47	s	DIODE 02CZ12-TE85L
D9308	8-719-025-47	s	DIODE 02CZ12-TE85L
D9309	8-719-070-57	s	DIODE PDZ5.6B-115
D9310	8-719-070-57	s	DIODE PDZ5.6B-115
FB101	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB200	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB201	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB202	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB203	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB204	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB205	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB210	1-233-736-21	s	FILTER, EMI
FB211	1-233-736-21	s	FILTER, EMI
FB212	1-233-736-21	s	FILTER, EMI
FB700	1-410-396-41	s	FERRITE BEAD INDUCTOR (0.45UH)
FB701	1-414-230-11	s	INDUCTOR, FERRITE BEAD
FL1000	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FL1001	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FL1002	1-543-775-11	s	BEAD, FERRITE
FL1003	1-543-775-11	s	BEAD, FERRITE
FL1004	1-239-847-11	s	FILTER, LOW PASS
FL1005	1-233-505-21	s	FILTER, LOW PASS
FL1006	1-233-504-21	s	FILTER, LOW PASS
FL1007	1-233-504-21	s	FILTER, LOW PASS
FL4000	1-233-736-21	s	FILTER, EMI
FL4001	1-233-736-21	s	FILTER, EMI
FL4002	1-233-736-21	s	FILTER, EMI
FL4003	1-233-434-11	s	FILTER, LOW PASS
FL4004	1-233-736-21	s	FILTER, EMI
FL4005	1-233-736-21	s	FILTER, EMI
FL4006	1-233-434-11	s	FILTER, LOW PASS
FL4007	1-233-505-21	s	FILTER, LOW PASS
FL4008	1-233-504-21	s	FILTER, LOW PASS
FL4009	1-233-504-21	s	FILTER, LOW PASS
IC1	8-759-460-72	s	IC BA033FP
IC2	8-759-581-89	s	IC LM317SX
IC3	8-759-460-72	s	IC BA033FP
IC4	8-759-539-90	s	IC LM2940SX-5.0
IC6	8-759-460-79	s	IC BA09FP-E2
IC7	8-759-460-72	s	IC BA033FP
IC100	8-759-595-97	s	IC SN74LV4053ANSR
IC101	8-759-646-02	s	IC M52347FP-TE
IC102	8-759-475-21	s	IC TC74LCX244F(EL)
IC103	8-759-661-55	s	IC ST24FC21M6TR
IC200	8-759-645-12	s	IC AD9884AKS-140
IC202	8-759-669-41	s	IC SN74LVC125APWR-12(E20)
IC204	8-759-362-35	s	IC ICS9161A-01CW16T
IC205	6-700-150-01	s	IC M24C04-WMN6T(A)
IC206	8-759-669-11	o	IC MBM29LV400TC-70PFTN-SV9695
IC207	8-759-646-32	s	IC PW164-20W
IC208	8-759-712-67	o	IC EP1K50TC144-3
IC209	8-759-475-21	s	IC TC74LCX244F(EL)
IC214	8-759-599-99	s	IC MB90096PF-G-182
IC216	6-801-328-01	o	IC EPC1LC20-42B2-V100
IC218	8-759-646-15	s	IC ST49C101ACF8-05-TR
IC220	8-759-239-34	s	IC TC74HC4538AF
IC221	8-759-439-67	s	IC TC7W126FU(TE12R)
IC222	8-759-491-32	s	IC TC74VHCT04AF(EL)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC223	8-759-834-29	s	IC MC74VHC1G04DFT1
IC500	8-759-232-46	s	IC TC74HC126AF
IC501	8-759-635-27	s	IC M62352GP
IC502	8-759-475-21	s	IC TC74LCX244F(EL)
IC503	8-759-252-59	s	IC MAX202CSE
IC504	8-759-560-17	s	IC RS5C348A-E2
IC505	8-759-232-46	s	IC TC74HC126AF
IC506	8-759-232-44	s	IC TC74HC125AF
IC507	8-759-233-73	s	IC TC74HCT244AF
IC508	8-759-186-30	s	IC TC74VHC14F
IC509	8-759-648-10	s	IC HD64F2633TE
IC510	8-759-834-30	s	IC MC74VHC1G08DFT1
IC511	8-759-684-72	s	IC M24C64-WMN6T(A)
IC512	8-759-582-91	s	IC S-80842ANNP-ED6-T2
IC513	8-759-582-91	s	IC S-80842ANNP-ED6-T2
IC514	8-759-473-74	s	IC SN74CBTD3306PW-E20
IC515	8-759-491-50	s	IC TC74VHCT244AFT(EL)
IC516	8-759-473-74	s	IC SN74CBTD3306PW-E20
IC703	8-759-700-07	s	IC NJM2903M
IC831	8-759-581-89	s	IC LM317SX
IC1000	8-752-053-21	s	IC CXA1211M
IC1001	8-752-053-21	s	IC CXA1211M
IC1002	8-759-595-97	s	IC SN74LV4053ANSR
IC1003	8-759-595-97	s	IC SN74LV4053ANSR
IC1004	8-759-082-61	s	IC TC4W53FU
IC1005	8-752-053-21	s	IC CXA1211M
IC1006	8-759-987-27	s	IC LM1881M
IC1007	6-701-097-11	s	IC SM81C256K16DJ-35-T
IC1008	8-759-460-72	s	IC BA033FP
IC1009	8-759-460-72	s	IC BA033FP
IC1010	8-759-031-84	s	IC SC7S04F
IC1011	8-759-594-44	s	IC UPD64082GF-3BA
IC1012	8-759-031-84	s	IC SC7S04F
IC1013	8-759-645-68	o	IC ISPLSI2032E-110LT48
IC1027	8-759-510-71	s	IC BA10358F-E2
IC1028	8-759-510-71	s	IC BA10358F-E2
IC1029	8-759-510-71	s	IC BA10358F-E2
IC1030	8-752-067-05	s	IC CXA1739S
IC1031	8-759-595-97	s	IC SN74LV4053ANSR
IC1032	8-759-328-12	s	IC Z8622812PSC
IC1033	8-759-539-90	s	IC LM2940SX-5.0
IC1034	8-759-460-81	s	IC BA12FP-E2
IC1035	8-752-082-49	s	IC CXA2119M
IC1036	8-749-015-18	s	IC PQ07VZ012P
IC1037	8-759-669-78	s	IC TLC2933IPWR-12
IC1038	8-759-431-14	s	IC PQ3TZ53U
IC1039	8-759-676-70	s	IC MSM56V16160F-10TS-K
IC1040	8-752-398-47	s	IC CXD2090Q
IC1041	8-759-669-75	s	IC TLC2932IPWR
IC1042	8-759-447-90	s	IC TLC5733AIPM
IC1043	8-759-528-48	s	IC NJU7032M-TE2
IC1044	8-759-082-61	s	IC TC4W53FU
IC4000	8-759-430-79	s	IC TDA8395T/N3
IC4001	8-752-070-58	s	IC CXA1860Q(T4)
IC4003	8-752-352-09	s	IC CXD2300Q
IC4004	8-752-369-15	s	IC CXD2030R
IC4005	8-759-595-97	s	IC SN74LV4053ANSR
IC4006	8-752-369-84	s	IC CXD2309Q (T6)
IC4007	8-759-296-53	s	IC UPC1862GS-E2

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC4008	8-759-239-55	s	IC TC74HC123AF
IC4009	8-759-239-55	s	IC TC74HC123AF
IC4010	8-759-235-15	s	IC TC74HC04AF (EL)
IC4011	8-759-239-55	s	IC TC74HC123AF
IC4012	8-759-232-65	s	IC TC74HC157AF
IC4013	8-759-661-55	s	IC ST24FC21M6TR
IC6105	8-759-460-81	s	IC BA12FP-E2
IC6903	8-759-446-66	s	IC MM1113XFBE
IC6904	8-759-446-66	s	IC MM1113XFBE
IC6905	8-759-360-07	s	IC BA7657F-E2
IC6906	8-759-011-64	s	IC MC74HC4052F
IC6907	8-759-360-07	s	IC BA7657F-E2
IC6908	8-759-439-67	s	IC TC7W126FU(TE12R)
IC6909	8-759-232-44	s	IC TC74HC125AF
IC8001	8-759-439-67	s	IC TC7W126FU(TE12R)
J9001	1-793-183-11	s	CONNECTOR, D SUB 15P
J9002	1-793-183-11	s	CONNECTOR, D SUB 15P
J9101	1-566-822-21	s	JACK
J9102	1-566-822-21	s	JACK
J9103	1-566-822-21	s	JACK
J9201	1-565-269-31	s	SOCKET,CONNECTOR(D-DUB,L)9P
JR6102	1-216-295-91	s	CONDUCTOR, CHIP (2012)
L200	1-414-752-11	s	INDUCTOR 2.2UH
L700	1-410-482-31	s	MICRO INDUCTOR 100UH
L701	1-406-666-21	s	COIL, CHOKE 150UH
L702	1-406-666-21	s	COIL, CHOKE 150UH
L704	1-410-671-31	s	MICRO INDUCTOR 47UH
L801	1-414-404-11	s	INDUCTOR (SMD) 100UH
L1001	1-410-200-31	s	CHIP INDUCTOR
L1002	1-414-042-21	s	INDUCTOR,LEAD LESS
L1003	1-410-210-21	s	CHIP INDUCTOR
L1004	1-414-754-11	s	INDUCTOR 10.0UH
L1005	1-414-754-11	s	INDUCTOR 10.0UH
L1006	1-414-757-11	s	INDUCTOR 100.0UH
L1007	1-412-052-21	s	INDUCTOR, SMALL TYPE 1.00UH
L1008	1-414-757-11	s	INDUCTOR 100.0UH
L1009	1-414-754-11	s	INDUCTOR 10.0UH
L1010	1-414-754-11	s	INDUCTOR 10.0UH
L1011	1-410-663-31	s	MICRO INDUCTOR 10UH
L1012	1-414-754-11	s	INDUCTOR 10.0UH
L1013	1-414-757-11	s	INDUCTOR 100.0UH
L1014	1-414-757-11	s	INDUCTOR 100.0UH
L1015	1-414-757-11	s	INDUCTOR 100.0UH
L1016	1-414-754-11	s	INDUCTOR 10.0UH
L1017	1-414-754-11	s	INDUCTOR 10.0UH
L1018	1-414-754-11	s	INDUCTOR 10.0UH
L4000	1-408-595-31	s	MICRO INDUCTOR 2.2UH
L4001	1-408-591-11	s	MICRO INDUCTOR 1UH
L4002	1-410-373-31	s	CHIP INDUCTOR 2.2UH (3225)
L4003	1-408-595-31	s	MICRO INDUCTOR 2.2UH
L4004	1-410-373-31	s	CHIP INDUCTOR 2.2UH (3225)
L4005	1-408-591-11	s	MICRO INDUCTOR 1UH
L4006	1-414-248-11	s	INDUCTOR,CHIP 2.2UH
L4007	1-414-248-11	s	INDUCTOR,CHIP 2.2UH
L4008	1-408-591-11	s	MICRO INDUCTOR 1UH
L4009	1-410-193-51	s	CHIP INDUCTOR 1.2UH
L4010	1-410-193-51	s	CHIP INDUCTOR 1.2UH

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
L4011	1-410-193-51	s	CHIP INDUCTOR 1.2UH
L4012	1-410-193-51	s	CHIP INDUCTOR 1.2UH
L4013	1-410-193-51	s	CHIP INDUCTOR 1.2UH
L4014	1-410-193-51	s	CHIP INDUCTOR 1.2UH
L4017	1-410-193-51	s	CHIP INDUCTOR 1.2UH
L4018	1-414-248-11	s	INDUCTOR,CHIP 2.2UH
L4019	1-416-668-11	s	COIL, CHOKE
Q100	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q101	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q102	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q103	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q104	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q200	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q203	8-729-207-69	s	TRANSISTOR RN2403
Q502	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q503	8-729-045-17	s	TRANSISTOR 2SB1561T100Q
Q506	8-729-207-69	s	TRANSISTOR RN2403
Q507	8-729-421-22	s	TRANSISTOR UN2211
Q700	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q701	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q702	8-729-041-37	s	TRANSISTOR 2SJ377(TE16L)
Q1000	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1001	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1002	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1003	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1004	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1005	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1006	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1007	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1008	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1009	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1010	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1011	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1012	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1013	8-729-421-19	s	TRANSISTOR UN2213
Q1014	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1015	8-729-421-19	s	TRANSISTOR UN2213
Q1016	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1017	8-729-421-19	s	TRANSISTOR UN2213
Q1018	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1019	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1020	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1021	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1022	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1023	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1024	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1025	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1026	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1027	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1028	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1029	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1030	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1031	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1032	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1033	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1034	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1035	8-729-421-19	s	TRANSISTOR UN2213
Q1036	8-729-421-19	s	TRANSISTOR UN2213

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q1037	8-729-421-19	s	TRANSISTOR UN2213
Q1038	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1039	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1040	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1041	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1042	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1043	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1044	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1045	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1046	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1047	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1048	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1049	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1050	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1051	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1052	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1053	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1054	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1055	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1056	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1057	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1058	8-729-421-22	s	TRANSISTOR UN2211
Q1059	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1060	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1061	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1062	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1063	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1064	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q1065	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1066	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q1067	8-729-207-69	s	TRANSISTOR RN2403
Q4000	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q4001	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4002	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4003	8-729-421-22	s	TRANSISTOR UN2211
Q4004	8-729-421-22	s	TRANSISTOR UN2211
Q4005	8-729-424-08	s	TRANSISTOR UN2111
Q4006	8-729-421-22	s	TRANSISTOR UN2211
Q4007	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q4008	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q4009	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4010	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4011	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4012	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4013	8-729-424-08	s	TRANSISTOR UN2111
Q4014	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4015	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4016	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4017	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4018	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q4019	8-729-421-22	s	TRANSISTOR UN2211
Q4020	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q4021	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4022	8-729-424-08	s	TRANSISTOR UN2111
Q4023	8-729-421-22	s	TRANSISTOR UN2211
Q4024	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q4025	8-729-421-19	s	TRANSISTOR UN2213
Q4026	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4027	8-729-010-05	s	TRANSISTOR MSB709-RT1

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q4028	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4029	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q4030	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q4031	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q4032	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q4033	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q4034	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q4035	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q4036	8-729-207-69	s	TRANSISTOR RN2403
Q4037	8-729-207-69	s	TRANSISTOR RN2403
Q4038	8-729-421-19	s	TRANSISTOR UN2213
Q4039	8-729-421-19	s	TRANSISTOR UN2213
Q6181	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6182	8-729-421-19	s	TRANSISTOR UN2213
Q6193	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6901	8-729-207-69	s	TRANSISTOR RN2403
Q6902	8-729-207-69	s	TRANSISTOR RN2403
Q6903	8-729-207-69	s	TRANSISTOR RN2403
Q6904	8-729-421-19	s	TRANSISTOR UN2213
Q6905	8-729-203-31	s	TRANSISTOR 2SJ106N-GR
Q6906	8-729-203-31	s	TRANSISTOR 2SJ106N-GR
Q6907	8-729-421-19	s	TRANSISTOR UN2213
Q6908	8-729-421-19	s	TRANSISTOR UN2213
Q6909	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6910	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6911	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q6912	8-729-207-69	s	TRANSISTOR RN2403
Q8001	8-729-421-19	s	TRANSISTOR UN2213
Q8002	8-729-421-19	s	TRANSISTOR UN2213
R1	1-216-341-11	s	RESISTOR,METAL FILM 0.22 1W
R3	1-216-644-11	s	RESISTOR,CHIP 510 1/10W (2012)
R4	1-216-643-11	s	RESISTOR,CHIP 470 1/10W (2012)
R5	1-215-880-00	s	RESISTOR,METAL FILM 10/2W
R100	1-216-041-00	s	RESISTOR, CHIP 470 1/10W(2012)
R101	1-216-041-00	s	RESISTOR, CHIP 470 1/10W(2012)
R103	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R105	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R106	1-218-756-11	s	RESISTOR,CHIP 150K 1/10W(2012)
R107	1-216-697-91	s	RESISTOR,CHIP 82K 1/10W
R108	1-216-666-11	s	RESISTOR,CHIP 4.3K 1/10W(2012)
R109	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R110	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R111	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R112	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R114	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R115	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R116	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R117	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R204	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R205	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R206	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R207	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R208	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R211	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R212	1-216-653-11	s	RESISTOR,CHIP 1.2K 1/10W(2012)
R213	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R214	1-216-009-00	s	RESISTOR,CHIP 22 1/10W (2012)
R216	1-216-009-00	s	RESISTOR,CHIP 22 1/10W (2012)
R217	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R218	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R219	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R220	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R221	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R222	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R223	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R224	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R225	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R226	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R231	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R232	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R233	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R234	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R235	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R236	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R238	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R239	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R240	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R244	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R245	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R246	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R248	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R249	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R250	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R251	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R252	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R253	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R254	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R255	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R256	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R259	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R262	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R263	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R264	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R265	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R266	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R267	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R269	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R270	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R271	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R272	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R273	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R277	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R278	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R279	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R281	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R282	1-216-624-11	s	RESISTOR,CHIP 75 1/10W(2012)
R283	1-216-631-11	s	RESISTOR,CHIP 150 1/10W (2012)
R284	1-216-624-11	s	RESISTOR,CHIP 75 1/10W(2012)
R286	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R287	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R288	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R289	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R290	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R291	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R292	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R293	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R294	1-216-673-11	s	RESISTOR,CHIP 8.2K 1/10W(2012)
R295	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R296	1-216-697-91	s	RESISTOR,CHIP 82K 1/10W
R297	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R298	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R299	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R437	1-216-037-00	s	RESISTOR,CHIP 330 1/10W(2012)
R438	1-216-037-00	s	RESISTOR,CHIP 330 1/10W(2012)
R439	1-216-037-00	s	RESISTOR,CHIP 330 1/10W(2012)
R440	1-216-029-00	s	RESISTOR,CHIP 150 1/10W(2012)
R441	1-216-029-00	s	RESISTOR,CHIP 150 1/10W(2012)
R442	1-216-029-00	s	RESISTOR,CHIP 150 1/10W(2012)
R443	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R444	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R445	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R446	1-216-643-11	s	RESISTOR,CHIP 470 1/10W (2012)
R447	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R448	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R449	1-216-663-11	s	RESISTOR,CHIP 3.3K 1/10W(2012)
R450	1-216-691-11	s	RESISTOR,CHIP 47K 1/10W(2012)
R451	1-216-695-11	s	RESISTOR,CHIP 68K 1/10W(2012)
R452	1-216-697-91	s	RESISTOR,CHIP 82K 1/10W
R453	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R456	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R501	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R502	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R503	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R504	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R505	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R506	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R507	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R508	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R509	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R510	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R511	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R512	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R513	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R514	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R515	1-216-031-00	s	RESISTOR,CHIP 180 1/10W(2012)
R516	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R517	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R518	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R519	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R520	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R521	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R525	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R526	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R527	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R528	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R529	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R530	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R531	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R532	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R534	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R535	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R536	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R537	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R538	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R539	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R540	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R541	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R542	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R543	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R544	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R545	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R546	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R548	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R549	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R550	1-216-009-00	s	RESISTOR,CHIP 22 1/10W (2012)
R551	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R552	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R553	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R554	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R555	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R556	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R557	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R558	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R559	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R560	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R561	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R562	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R563	1-216-634-11	s	RESISTOR,CHIP 200 1/10W(2012)
R564	1-216-662-11	s	RESISTOR,CHIP 3K 1/10W (2012)
R565	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R566	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R567	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R568	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R569	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R570	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R571	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R572	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R573	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R574	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R575	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R576	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R577	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R578	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R579	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R580	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R581	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R582	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R583	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R584	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R585	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R586	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R587	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R588	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R589	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R590	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R591	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R592	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R593	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R594	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R595	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R596	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R597	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R598	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R599	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R600	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R601	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R602	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R603	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R604	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R605	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R606	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R607	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R608	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R609	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R610	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R611	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R612	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R613	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R614	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R616	1-216-083-00	s	RESISTOR CHIP 27K 1/10W(2012)
R617	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R618	1-216-083-00	s	RESISTOR CHIP 27K 1/10W(2012)
R619	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R620	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R621	1-216-113-00	s	RESISTOR CHIP 470K 1/10W(2012)
R624	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R625	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R626	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R632	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R633	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R634	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R635	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R636	1-216-009-00	s	RESISTOR,CHIP 22 1/10W (2012)
R637	1-216-009-00	s	RESISTOR,CHIP 22 1/10W (2012)
R640	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R641	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R642	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R643	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R644	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R700	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R701	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R702	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R703	1-216-071-00	s	RESISTOR,CHIP 8.2K 1/10W(2012)
R704	1-216-085-00	s	RESISTOR CHIP 33K 1/10W(2012)
R705	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R706	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R707	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R708	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R709	1-216-059-00	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R710	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R711	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R712	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R713	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R714	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R715	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R716	1-249-381-11	s	RES,CARBON 1 (1/4W)
R717	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R718	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R719	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R720	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R721	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R722	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R723	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R724	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R725	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R726	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R727	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R728	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R729	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R830	1-216-369-00	s	RESISTOR,METAL FILM 1.00 2W
R831	1-249-377-11	s	RES,CARBON 0.47 1/4W
R832	1-249-377-11	s	RES,CARBON 0.47 1/4W
R901	1-216-033-00	s	RESISTOR,CHIP 220 1/10W(2012)
R902	1-216-033-00	s	RESISTOR,CHIP 220 1/10W(2012)
R918	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R919	1-216-033-00	s	RESISTOR,CHIP 220 1/10W(2012)
R921	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R922	1-216-033-00	s	RESISTOR,CHIP 220 1/10W(2012)
R931	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R932	1-216-033-00	s	RESISTOR,CHIP 220 1/10W(2012)
R934	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R935	1-216-033-00	s	RESISTOR,CHIP 220 1/10W(2012)
R941	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R942	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R1000	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R1001	1-216-687-11	s	RESISTOR CHIP 33K 1/10W (2012)
R1002	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R1003	1-216-687-11	s	RESISTOR CHIP 33K 1/10W (2012)
R1004	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R1005	1-216-687-11	s	RESISTOR CHIP 33K 1/10W (2012)
R1006	1-216-055-00	s	RESISTOR CHIP 1.8K 1/10W(2012)
R1007	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R1008	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1009	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1010	1-216-687-11	s	RESISTOR CHIP 33K 1/10W (2012)
R1011	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R1012	1-216-041-00	s	RESISTOR, CHIP 470 1/10W(2012)
R1013	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
R1014	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1015	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1016	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1017	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1018	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1019	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1020	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1021	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1022	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1023	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1024	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1025	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1026	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1027	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1028	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1029	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1030	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R1031	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R1032	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R1033	1-216-009-91	s	RESISTOR,CHIP 20 1/10W(2012)
R1034	1-216-009-91	s	RESISTOR,CHIP 20 1/10W(2012)
R1035	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1036	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1037	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1038	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R1039	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R1040	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
R1041	1-216-683-11	s	RESISTOR,CHIP 22K 1/10W (2012)
R1043	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R1044	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1045	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R1046	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R1047	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1048	1-216-676-11	s	RESISTOR,CHIP 11K 1/10W(2012)
R1049	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R1050	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1051	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1052	1-216-635-11	s	RESISTOR,CHIP 220 1/10W (2012)
R1053	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1054	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1055	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1056	1-216-652-11	s	RESISTOR,CHIP 1.1K 1/10W(2012)
R1057	1-216-663-11	s	RESISTOR,CHIP 3.3K 1/10W(2012)
R1058	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R1059	1-216-653-11	s	RESISTOR,CHIP 1.2K 1/10W(2012)
R1060	1-216-643-11	s	RESISTOR,CHIP 470 1/10W (2012)
R1062	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1063	1-216-631-11	s	RESISTOR,CHIP 150 1/10W (2012)
R1064	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
R1065	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R1066	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1067	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R1068	1-216-117-00	s	RESISTOR,CHIP 680K 1/10W(2012)
R1069	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
R1070	1-216-021-00	s	RESISTOR,CHIP 68 1/10W(2012)
R1071	1-216-053-00	s	RESISTOR CHIP 1.5K 1/10W(2012)
R1073	1-216-041-00	s	RESISTOR, CHIP 470 1/10W(2012)
R1074	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1075	1-216-055-00	s	RESISTOR CHIP 1.8K 1/10W(2012)
R1076	1-216-055-00	s	RESISTOR CHIP 1.8K 1/10W(2012)
R1077	1-216-055-00	s	RESISTOR CHIP 1.8K 1/10W(2012)
R1078	1-216-055-00	s	RESISTOR CHIP 1.8K 1/10W(2012)
R1079	1-216-079-00	s	RESISTOR CHIP 18K 1/10W(2012)
R1080	1-216-077-00	s	RESISTOR,CHIP 15K 1/10W(2012)
R1081	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1082	1-216-055-00	s	RESISTOR CHIP 1.8K 1/10W(2012)
R1083	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R1084	1-216-043-91	s	RESISTOR, CHIP 560 1/10W(2125)
R1085	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1086	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1087	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1088	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
R1090	1-216-067-00	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R1091	1-216-077-00	s	RESISTOR,CHIP 15K 1/10W(2012)
R1092	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1093	1-216-055-00	s	RESISTOR CHIP 1.8K 1/10W(2012)
R1094	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R1095	1-216-645-11	s	RESISTOR,CHIP 560 1/10W(2012)
R1096	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R1097	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R1098	1-216-023-00	s	RESISTOR,CHIP 82 1/10W(2012)
R1099	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
R1100	1-216-053-00	s	RESISTOR CHIP 1.5K 1/10W(2012)
R1101	1-216-053-00	s	RESISTOR CHIP 1.5K 1/10W(2012)
R1102	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R1103	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1104	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1105	1-216-671-11	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1109	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R1110	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R1111	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R1115	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R1116	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R1117	1-216-655-11	s	RESISTOR,CHIP 1.5K 1/10W(2012)
R1118	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1119	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1120	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R1121	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1122	1-216-663-11	s	RESISTOR,CHIP 3.3K 1/10W(2012)
R1123	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1124	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1126	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1127	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R1129	1-216-676-11	s	RESISTOR,CHIP 11K 1/10W(2012)
R1130	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R1131	1-216-671-11	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1132	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1133	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1134	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1135	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1136	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1137	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1138	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R1139	1-216-037-00	s	RESISTOR,CHIP 330 1/10W(2012)
R1140	1-216-643-11	s	RESISTOR,CHIP 470 1/10W (2012)
R1141	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1142	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1143	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1144	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1145	1-216-673-11	s	RESISTOR,CHIP 8.2K 1/10W(2012)
R1146	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R1147	1-216-647-11	s	RESISTOR,CHIP 680 1/10W (2012)
R1148	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1149	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R1150	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1151	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1152	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R1153	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R1154	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
R1155	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R1156	1-216-643-11	s	RESISTOR,CHIP 470 1/10W (2012)
R1157	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1158	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1159	1-216-647-11	s	RESISTOR,CHIP 680 1/10W (2012)
R1160	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1161	1-216-647-11	s	RESISTOR,CHIP 680 1/10W (2012)
R1162	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1163	1-216-647-11	s	RESISTOR,CHIP 680 1/10W (2012)
R1164	1-216-647-11	s	RESISTOR,CHIP 680 1/10W (2012)
R1165	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
R1166	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1167	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1168	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1169	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R1170	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1171	1-216-643-11	s	RESISTOR,CHIP 470 1/10W (2012)
R1172	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1173	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R1174	1-216-647-11	s	RESISTOR,CHIP 680 1/10W (2012)
R1175	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
R1176	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1177	1-216-679-11	s	RESISTOR,CHIP 15K 1/10W (2012)
R1178	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R1179	1-218-758-11	s	RESISTOR,CHIP 180K 1/10W(2012)
R1180	1-216-671-11	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1181	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R1182	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1183	1-218-756-11	s	RESISTOR,CHIP 150K 1/10W(2012)
R1184	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1185	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1186	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1187	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1188	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1189	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1190	1-216-071-00	s	RESISTOR,CHIP 8.2K 1/10W(2012)
R1191	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1192	1-216-077-00	s	RESISTOR,CHIP 15K 1/10W(2012)
R1193	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1194	1-216-077-00	s	RESISTOR,CHIP 15K 1/10W(2012)
R1195	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1196	1-216-649-11	s	RESISTOR,CHIP 820 1/10W (2012)
R1197	1-216-647-11	s	RESISTOR,CHIP 680 1/10W (2012)
R1198	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1199	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1200	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1201	1-216-649-11	s	RESISTOR,CHIP 820 1/10W (2012)
R1202	1-216-647-11	s	RESISTOR,CHIP 680 1/10W (2012)
R1203	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1204	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
R1205	1-216-649-11	s	RESISTOR,CHIP 820 1/10W (2012)
R1206	1-216-647-11	s	RESISTOR,CHIP 680 1/10W (2012)
R1207	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1208	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
R1209	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
R1210	1-216-643-11	s	RESISTOR,CHIP 470 1/10W (2012)
R1211	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1212	1-216-645-11	s	RESISTOR,CHIP 560 1/10W(2012)
R1213	1-216-641-11	s	RESISTOR,CHIP 390 1/10W(2012)
R1214	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1215	1-216-643-11	s	RESISTOR,CHIP 470 1/10W (2012)
R1216	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1217	1-216-645-11	s	RESISTOR,CHIP 560 1/10W(2012)
R1218	1-216-645-11	s	RESISTOR,CHIP 560 1/10W(2012)
R1219	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R1220	1-216-043-91	s	RESISTOR, CHIP 560 1/10W(2125)
R1221	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R1222	1-216-043-91	s	RESISTOR, CHIP 560 1/10W(2125)
R1223	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R1224	1-216-043-91	s	RESISTOR, CHIP 560 1/10W(2125)
R1225	1-216-113-00	s	RESISTOR CHIP 470K 1/10W(2012)
R1226	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R1227	1-216-033-00	s	RESISTOR,CHIP 220 1/10W(2012)
R1228	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R1229	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1230	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1231	1-216-037-00	s	RESISTOR,CHIP 330 1/10W(2012)
R1232	1-216-033-00	s	RESISTOR,CHIP 220 1/10W(2012)
R1233	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R1234	1-216-653-11	s	RESISTOR,CHIP 1.2K 1/10W(2012)
R1235	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R1236	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R1237	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R1238	1-216-062-00	s	RESISTOR,CHIP 3.6K 1/10W(2012)
R1240	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1241	1-216-113-00	s	RESISTOR CHIP 470K 1/10W(2012)
R1242	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1243	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R1244	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1247	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1249	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1250	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1251	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1252	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R1253	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1254	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1256	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1261	1-216-646-11	s	RESISTOR,CHIP 620 1/10W (2012)
R1262	1-216-635-11	s	RESISTOR,CHIP 220 1/10W (2012)
R1263	1-216-035-00	s	RESISTOR, CHIP 270 1/10W(2012)
R1264	1-216-663-11	s	RESISTOR,CHIP 3.3K 1/10W(2012)
R1265	1-216-635-11	s	RESISTOR,CHIP 220 1/10W (2012)
R1266	1-216-635-11	s	RESISTOR,CHIP 220 1/10W (2012)
R1267	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1269	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R1270	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R1271	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1272	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1273	1-216-047-91	s	RESISTOR, CHIP 820 1/10W(2125)
R1274	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1275	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R1276	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R1277	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1278	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1279	1-216-117-00	s	RESISTOR,CHIP 680K 1/10W(2012)
R1280	1-216-066-00	s	RESISTOR,CHIP 5.1K 1/10W(2012)
R1281	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R1282	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R1283	1-216-117-00	s	RESISTOR,CHIP 680K 1/10W(2012)
R1284	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1286	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R1287	1-216-037-00	s	RESISTOR,CHIP 330 1/10W(2012)
R1288	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1289	1-216-037-00	s	RESISTOR,CHIP 330 1/10W(2012)
R1290	1-216-077-00	s	RESISTOR,CHIP 15K 1/10W(2012)
R1291	1-216-673-11	s	RESISTOR,CHIP 8.2K 1/10W(2012)
R1292	1-216-668-11	s	RESISTOR,CHIP 5.1K 1/10W(2012)
R1293	1-216-077-00	s	RESISTOR,CHIP 15K 1/10W(2012)
R1294	1-216-077-00	s	RESISTOR,CHIP 15K 1/10W(2012)
R1295	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1296	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1297	1-216-655-11	s	RESISTOR,CHIP 1.5K 1/10W(2012)
R1298	1-216-666-11	s	RESISTOR,CHIP 4.3K 1/10W(2012)
R1299	1-216-809-11	s	RESISTOR,CHIP 100 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R1301	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1305	1-216-671-11	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1306	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1308	1-216-671-11	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1309	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1311	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1313	1-216-671-11	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1314	1-216-695-11	s	RESISTOR,CHIP 68K 1/10W(2012)
R1315	1-216-683-11	s	RESISTOR,CHIP 22K 1/10W (2012)
R1316	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R1317	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R1318	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R1319	1-216-683-11	s	RESISTOR,CHIP 22K 1/10W (2012)
R1320	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R1322	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1323	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1324	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R1326	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1327	1-218-758-11	s	RESISTOR,CHIP 180K 1/10W(2012)
R4000	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4001	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R4002	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R4003	1-216-055-00	s	RESISTOR CHIP 1.8K 1/10W(2012)
R4004	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R4005	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R4006	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R4007	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R4008	1-216-053-00	s	RESISTOR CHIP 1.5K 1/10W(2012)
R4009	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4010	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R4011	1-216-075-00	s	RESISTOR CHIP 12K 1/10W(2012)
R4012	1-216-063-91	s	RESISTOR,CHIP 3.9K 1/10W(2125)
R4013	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R4014	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R4015	1-216-053-00	s	RESISTOR CHIP 1.5K 1/10W(2012)
R4016	1-216-085-00	s	RESISTOR CHIP 33K 1/10W(2012)
R4017	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R4018	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4019	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R4020	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R4021	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4022	1-216-648-11	s	RESISTOR,CHIP 750 1/10W (2012)
R4023	1-216-636-11	s	RESISTOR CHIP 240 1/10W (2012)
R4024	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R4025	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R4026	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R4027	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4028	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4029	1-216-077-00	s	RESISTOR,CHIP 15K 1/10W(2012)
R4030	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R4031	1-216-063-91	s	RESISTOR,CHIP 3.9K 1/10W(2125)
R4032	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R4033	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R4034	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4035	1-216-063-91	s	RESISTOR,CHIP 3.9K 1/10W(2125)
R4036	1-216-053-00	s	RESISTOR CHIP 1.5K 1/10W(2012)
R4037	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4038	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4039	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R4040	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R4041	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R4042	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R4043	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4044	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4045	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4046	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4047	1-216-063-91	s	RESISTOR,CHIP 3.9K 1/10W(2125)
R4048	1-216-650-11	s	RESISTOR,CHIP 910 1/10W(2012)
R4049	1-216-626-11	s	RESISTOR,CHIP 91 1/10W(2012)
R4050	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R4051	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4052	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4053	1-216-624-11	s	RESISTOR,CHIP 75 1/10W(2012)
R4054	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R4055	1-216-083-00	s	RESISTOR CHIP 27K 1/10W(2012)
R4056	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R4057	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R4058	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R4059	1-216-053-00	s	RESISTOR CHIP 1.5K 1/10W(2012)
R4060	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R4061	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R4062	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R4063	1-216-636-11	s	RESISTOR CHIP 240 1/10W (2012)
R4064	1-216-059-00	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R4065	1-216-051-00	s	RESISTOR,CHIP 1.2K 1/10W(2012)
R4066	1-216-664-11	s	RESISTOR,CHIP 3.6K 1/10W(2125)
R4067	1-216-636-11	s	RESISTOR CHIP 240 1/10W (2012)
R4068	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R4069	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R4070	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R4071	1-216-624-11	s	RESISTOR,CHIP 75 1/10W(2012)
R4072	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R4073	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R4074	1-216-063-91	s	RESISTOR,CHIP 3.9K 1/10W(2125)
R4078	1-216-091-00	s	RESISTOR CHIP 56K 1/10W(2012)
R4079	1-216-091-00	s	RESISTOR CHIP 56K 1/10W(2012)
R4080	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R4081	1-216-091-00	s	RESISTOR CHIP 56K 1/10W(2012)
R4082	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R4083	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4084	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4085	1-216-091-00	s	RESISTOR CHIP 56K 1/10W(2012)
R4086	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R4088	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R4089	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R4090	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R4091	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4092	1-216-682-11	s	RESISTOR,CHIP 20K 1/10W (2012)
R4093	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R4094	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R4095	1-216-033-00	s	RESISTOR,CHIP 220 1/10W(2012)
R4096	1-216-133-00	s	RESISTOR,CHIP 3.3M 1/10W(2012)
R4097	1-216-644-11	s	RESISTOR,CHIP 510 1/10W (2012)
R4098	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R4099	1-216-663-11	s	RESISTOR,CHIP 3.3K 1/10W(2012)
R4100	1-216-660-11	s	RESISTOR,CHIP 2.4K 1/10W(2012)
R4101	1-216-663-11	s	RESISTOR,CHIP 3.3K 1/10W(2012)
R4102	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R4103	1-216-059-00	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R4104	1-216-031-00	s	RESISTOR,CHIP 180 1/10W(2012)
R4105	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R4106	1-216-071-00	s	RESISTOR,CHIP 8.2K 1/10W(2012)
R4107	1-216-053-00	s	RESISTOR CHIP 1.5K 1/10W(2012)
R4109	1-216-631-11	s	RESISTOR,CHIP 150 1/10W (2012)
R4110	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R4111	1-216-637-11	s	RESISTOR,CHIP 270 1/10W (2012)
R4112	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R4113	1-216-631-11	s	RESISTOR,CHIP 150 1/10W (2012)
R4114	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R4115	1-216-645-11	s	RESISTOR, CHIP 560 1/10W(2125)
R4116	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R4117	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R4118	1-216-645-11	s	RESISTOR,CHIP 560 1/10W(2012)
R4119	1-216-645-11	s	RESISTOR,CHIP 560 1/10W(2012)
R4120	1-216-067-00	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R4121	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R4122	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R4123	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R4124	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R4125	1-216-699-11	s	RESISTOR,CHIP 100K 1/10W(2012)
R4126	1-216-699-11	s	RESISTOR,CHIP 100K 1/10W(2012)
R4127	1-216-045-00	s	RESISTOR,CHIP 680 1/10W(2012)
R4128	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R4129	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R4130	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R4131	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R4132	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R4133	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R4134	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R4135	1-216-699-11	s	RESISTOR,CHIP 100K 1/10W(2012)
R4136	1-216-699-11	s	RESISTOR,CHIP 100K 1/10W(2012)
R4137	1-216-691-11	s	RESISTOR,CHIP 47K 1/10W(2012)
R4138	1-216-679-11	s	RESISTOR,CHIP 15K 1/10W (2012)
R4139	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R4140	1-216-683-11	s	RESISTOR,CHIP 22K 1/10W (2012)
R4141	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R4142	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R4143	1-216-645-11	s	RESISTOR,CHIP 560 1/10W(2012)
R4144	1-216-647-11	s	RESISTOR,CHIP 680 1/10W (2012)
R4145	1-216-673-11	s	RESISTOR,CHIP 8.2K 1/10W(2012)
R4146	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R4147	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R4148	1-216-091-00	s	RESISTOR CHIP 56K 1/10W(2012)
R6164	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
R6165	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
R6201	1-216-699-11	s	RESISTOR,CHIP 100K 1/10W(2012)
R6202	1-216-693-11	s	RESISTOR CHIP 56K 1/10W (2012)
R6203	1-216-683-11	s	RESISTOR,CHIP 22K 1/10W (2012)
R6204	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R6205	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R6206	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R6207	1-216-679-11	s	RESISTOR,CHIP 15K 1/10W (2012)
R6208	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R6209	1-216-663-11	s	RESISTOR,CHIP 3.3K 1/10W(2012)
R6220	1-216-643-11	s	RESISTOR,CHIP 470 1/10W (2012)
R6941	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R6942	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R6943	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R6944	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R6945	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R6946	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R6947	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R6948	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R6950	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R6952	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R6953	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R6954	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R6955	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R6956	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R6957	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R6971	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R6985	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R6986	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R6987	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R6988	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R6989	1-216-113-00	s	RESISTOR CHIP 470K 1/10W(2012)
R6991	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R6992	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R8001	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R8002	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R8003	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R8004	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R8005	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R8006	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R8007	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R8008	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R9001	1-216-624-11	s	RESISTOR,CHIP 75 1/10W(2012)
R9002	1-216-624-11	s	RESISTOR,CHIP 75 1/10W(2012)
R9003	1-216-624-11	s	RESISTOR,CHIP 75 1/10W(2012)
R9004	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R9005	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R9101	1-216-624-11	s	RESISTOR,CHIP 75 1/10W(2012)
R9102	1-216-624-11	s	RESISTOR,CHIP 75 1/10W(2012)
R9103	1-216-624-11	s	RESISTOR,CHIP 75 1/10W(2012)
R9104	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R9105	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R9106	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R9107	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R9108	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R9109	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R9110	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R9111	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R9301	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R9302	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R9311	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
RB200	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB201	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB202	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB203	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB204	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB205	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB206	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB207	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB208	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB209	1-233-576-11	s	RESISTOR,CHIP NETWORK 100

(B BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB210	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB211	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB212	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB213	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB214	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB215	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB216	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB218	1-233-575-11	s	RES, CHIP NETWORK 22
RB219	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB220	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB221	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB222	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB223	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB224	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB225	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB226	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB227	1-234-523-21	s	RESISTOR,CHIP NETWORK
RB228	1-234-523-21	s	RESISTOR,CHIP NETWORK
RB229	1-234-523-21	s	RESISTOR,CHIP NETWORK
RB230	1-239-409-11	s	RESISTOR NETWORK 47 (1608)
RB236	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB237	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB238	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB239	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB240	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB241	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
S1	1-553-510-11	s	SWITCH, SLIDE
TH100	1-809-350-21	s	THERMISTOR
X200	1-527-722-00	s	CRYSTAL OSCILLATOR(14.31818MH)
X500	1-579-886-11	s	VIBRATOR, CRYSTAL
X501	1-781-659-11	s	VIBRATOR, CRYSTAL
X4000	1-760-457-11	s	VIBRATOR, CRYSTAL (VCO)
X4001	1-527-722-00	s	CRYSTAL OSCILLATOR(14.31818MH)
X4002	1-579-583-11	s	OSCILLATOR,CERAMIC
X4003	1-577-611-11	s	VIBRATOR,CERAMIC (500KHZ)
X4004	1-767-147-11	s	VIBRATOR, CRYSTAL (FOR VCO)

B1 BOARD (Including in B MOUNTED CIRCUIT BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C6101	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C6102	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6103	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6104	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6105	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C6106	1-163-247-11	s	CAP, CHIP CERAMIC 68PF CH 2012
C6107	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6108	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6109	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6110	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6111	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6112	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C6113	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6114	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6115	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6116	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6117	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C6118	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6119	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6120	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C6121	1-163-247-11	s	CAP, CHIP CERAMIC 68PF CH 2012
C6122	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6123	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6124	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6125	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C6126	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6127	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C6128	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C6129	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C6130	1-107-781-11	s	CAPACITOR,ELECT 47MF/16V(BP)
C6131	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6132	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C6133	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C6134	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6135	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6136	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6137	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6138	1-126-934-11	s	CAPACITOR, ELECT 220MF/16V(CHIP
C6139	1-163-263-11	s	CAPACITOR CERAMIC 330PF/50V
C6140	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6141	1-128-416-11	s	CAPACITOR ELECT 100MF/16V(105C
C6146	1-163-253-11	s	CAPACITOR CERAMIC 120PF/50V
C6147	1-163-253-11	s	CAPACITOR CERAMIC 120PF/50V
C6148	1-163-253-11	s	CAPACITOR CERAMIC 120PF/50V
C6149	1-163-255-91	s	CAPACITOR,CHIP CERAMIC 150PF
C6150	1-163-255-91	s	CAPACITOR,CHIP CERAMIC 150PF
C6151	1-163-255-91	s	CAPACITOR,CHIP CERAMIC 150PF
C6200	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6201	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6401	1-126-603-11	s	CAPACITOR,ELECT 4.7MF/35V
C6402	1-126-603-11	s	CAPACITOR,ELECT 4.7MF/35V
C6403	1-126-603-11	s	CAPACITOR,ELECT 4.7MF/35V
C6404	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6405	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C6406	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6407	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C6408	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6409	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C6410	1-163-243-11	s	CAPACITOR CHIP CERAMIC 47PF/50

(B1 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C6411	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6412	1-163-251-11	s	CAPACITOR CERAMIC 100PF/50V
C6413	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6414	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C6415	1-163-251-11	s	CAPACITOR CERAMIC 100PF/50V
C6416	1-163-243-11	s	CAPACITOR CHIP CERAMIC 47PF/50
CN6101	1-815-258-11	o	CONNECTOR, BOARD TO BOARD
D6101	8-719-069-55	s	DIODE UDZS-TE17-5.6B
D6102	8-719-069-55	s	DIODE UDZS-TE17-5.6B
D6103	8-719-069-55	s	DIODE UDZS-TE17-5.6B
D6104	8-719-069-55	s	DIODE UDZS-TE17-5.6B
IC6101	8-759-360-07	s	IC BA7657F-E2
IC6102	8-759-504-47	s	IC TL026CPS
IC6103	8-759-504-47	s	IC TL026CPS
IC6104	8-759-510-71	s	IC BA10358F-E2
IC6106	8-759-366-35	s	IC TC4W66F(TE12R)
IC6107	8-759-366-35	s	IC TC4W66F(TE12R)
IC6401	8-759-239-55	s	IC TC74HC123AF
IC6402	8-759-035-87	s	IC SC7S00F
L101	1-406-580-11	s	COIL, CHOKE 100UH
Q6101	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6102	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6103	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6104	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6105	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6106	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6107	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6108	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6109	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6110	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6111	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6112	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6113	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6114	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6200	8-729-421-19	s	TRANSISTOR UN2213
Q6201	8-729-421-19	s	TRANSISTOR UN2213
Q6401	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6402	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6403	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6404	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q6405	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q6406	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6407	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6408	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6409	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q6410	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q6411	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6412	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6413	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6414	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q6415	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q6416	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q6417	8-729-010-05	s	TRANSISTOR MSB709-RT1
Q6418	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6419	8-729-010-25	s	TRANSISTOR MSD601-RT1
Q6420	8-729-010-25	s	TRANSISTOR MSD601-RT1

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Ref. No. or Q'ty	Part No.	SP	Description
Q6421	8-729-010-25	s	TRANSISTOR MSD601-RT1
R6101	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R6102	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R6103	1-216-649-11	s	RESISTOR,CHIP 820 1/10W (2012)
R6104	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R6105	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R6106	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R6107	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R6108	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R6109	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R6110	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R6111	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R6112	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R6113	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R6114	1-216-642-11	s	RESISTOR,CHIP 430 1/10W (2012)
R6115	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
R6116	1-216-641-11	s	RESISTOR,CHIP 390 1/10W(2012)
R6117	1-216-619-11	s	RESISTOR CHIP 47 1/10W(2012)
R6118	1-216-641-11	s	RESISTOR,CHIP 390 1/10W(2012)
R6119	1-216-645-11	s	RESISTOR,CHIP 560 1/10W(2012)
R6120	1-216-643-11	s	RESISTOR,CHIP 470 1/10W (2012)
R6121	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R6122	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R6123	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
R6124	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R6125	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R6126	1-216-649-11	s	RESISTOR,CHIP 820 1/10W (2012)
R6127	1-216-633-11	s	RESISTOR,CHIP 180 1/10W (2012)
R6128	1-216-649-11	s	RESISTOR,CHIP 820 1/10W (2012)
R6129	1-216-619-11	s	RESISTOR CHIP 47 1/10W(2012)
R6130	1-216-641-11	s	RESISTOR,CHIP 390 1/10W(2012)
R6131	1-216-637-11	s	RESISTOR,CHIP 270 1/10W (2012)
R6132	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R6133	1-216-645-11	s	RESISTOR,CHIP 560 1/10W(2012)
R6134	1-216-643-11	s	RESISTOR,CHIP 470 1/10W (2012)
R6135	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R6136	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R6137	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
R6138	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R6139	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R6140	1-216-649-11	s	RESISTOR,CHIP 820 1/10W (2012)
R6141	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R6142	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R6143	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R6144	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R6145	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R6146	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R6147	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R6148	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R6149	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R6150	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R6151	1-216-642-11	s	RESISTOR,CHIP 430 1/10W (2012)
R6152	1-216-619-11	s	RESISTOR CHIP 47 1/10W(2012)
R6153	1-216-641-11	s	RESISTOR,CHIP 390 1/10W(2012)
R6154	1-216-619-11	s	RESISTOR CHIP 47 1/10W(2012)
R6155	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R6156	1-216-645-11	s	RESISTOR,CHIP 560 1/10W(2012)
R6157	1-216-643-11	s	RESISTOR,CHIP 470 1/10W (2012)

(B1 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R6158	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R6159	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R6160	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
R6161	1-218-776-11	s	RESISTOR CHIP 1M 1/10W (2012)
R6162	1-218-776-11	s	RESISTOR CHIP 1M 1/10W (2012)
R6163	1-218-776-11	s	RESISTOR CHIP 1M 1/10W (2012)
R6166	1-216-619-11	s	RESISTOR CHIP 47 1/10W(2012)
R6167	1-216-619-11	s	RESISTOR CHIP 47 1/10W(2012)
R6168	1-216-619-11	s	RESISTOR CHIP 47 1/10W(2012)
R6169	1-216-631-11	s	RESISTOR,CHIP 150 1/10W (2012)
R6170	1-216-631-11	s	RESISTOR,CHIP 150 1/10W (2012)
R6171	1-216-631-11	s	RESISTOR,CHIP 150 1/10W (2012)
R6172	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R6173	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R6174	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R6175	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
R6176	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R6177	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R6178	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R6179	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R6180	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R6181	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R6182	1-216-619-11	s	RESISTOR CHIP 47 1/10W(2012)
R6183	1-216-629-11	s	RESISTOR,CHIP 120 1/10W (2012)
R6184	1-216-629-11	s	RESISTOR,CHIP 120 1/10W (2012)
R6185	1-216-629-11	s	RESISTOR,CHIP 120 1/10W (2012)
R6210	1-216-619-11	s	RESISTOR CHIP 47 1/10W(2012)
R6211	1-216-645-11	s	RESISTOR,CHIP 560 1/10W(2012)
R6212	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R6213	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
R6214	1-216-613-11	s	RESISTOR,CHIP 27 1/10W(2012)
R6215	1-216-649-11	s	RESISTOR,CHIP 820 1/10W (2012)
R6216	1-216-653-11	s	RESISTOR,CHIP 1.2K 1/10W(2012)
R6217	1-216-671-11	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R6218	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R6219	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R6401	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R6402	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R6403	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R6404	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R6405	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R6406	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R6407	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R6408	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R6409	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R6410	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R6411	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R6412	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R6413	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R6414	1-216-655-11	s	RESISTOR,CHIP 1.5K 1/10W(2012)
R6415	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R6416	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R6417	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R6418	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R6419	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R6420	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R6421	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R6422	1-216-009-00	s	RESISTOR,CHIP 22 1/10W (2012)
R6423	1-216-009-00	s	RESISTOR,CHIP 22 1/10W (2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R6424	1-216-009-00	s	RESISTOR,CHIP 22 1/10W (2012)
R6425	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R6426	1-216-679-11	s	RESISTOR,CHIP 15K 1/10W (2012)
R6427	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R6428	1-216-685-11	s	RESISTOR,CHIP 27K 1/10W(2012)
R6429	1-216-699-11	s	RESISTOR,CHIP 100K 1/10W(2012)
R6431	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R6432	1-216-655-11	s	RESISTOR,CHIP 1.5K 1/10W(2012)
R6433	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R6434	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R6435	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R6436	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)

QA BOARD (BKM-B10)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1270-443-A	o	MOUNTED CIRCUIT BOARD, QA
C9501	1-126-964-11	s	CAPACITOR, ELECT 10MF/50V
C9502	1-126-964-11	s	CAPACITOR, ELECT 10MF/50V
C9503	1-102-129-00	s	CAPACITOR,CERAMIC;50V/0.01MF
C9504	1-126-934-11	s	CAPACITOR, ELECT 220MF/16V
C9505	1-126-934-11	s	CAPACITOR, ELECT 220MF/16V
C9506	1-126-934-11	s	CAPACITOR, ELECT 220MF/16V
C9507	1-126-934-11	s	CAPACITOR, ELECT 220MF/16V
C9508	1-102-129-00	s	CAPACITOR,CERAMIC;50V/0.01MF
C9509	1-126-947-11	s	CAPACITOR, ELECT 47MF/35V
C9510	1-102-129-00	s	CAPACITOR,CERAMIC;50V/0.01MF
C9511	1-102-129-00	s	CAPACITOR,CERAMIC;50V/0.01MF
C9512	1-102-129-00	s	CAPACITOR,CERAMIC;50V/0.01MF
CN9501	1-815-409-11	o	PIN, CONNECTOR(WITH PC PWB)44P
CN9502	1-566-849-11	s	CONNECTOR,(S) TERMINAL 4P (Y/C IN)
CN9503	1-794-872-11	o	CONNECTOR, BNC 2P (VIDEO IN/OUT)
D9501	8-719-110-17	s	DIODE RD10ES-B2
D9502	8-719-110-17	s	DIODE RD10ES-B2
D9503	8-719-110-17	s	DIODE RD10ES-B2
D9504	8-719-110-17	s	DIODE RD10ES-B2
D9505	8-719-110-17	s	DIODE RD10ES-B2
J9501	1-566-822-21	s	JACK (AUDIO IN)
Q9501	8-729-119-78	s	TRANSISTOR 2SC2785-HFE
Q9502	8-729-119-78	s	TRANSISTOR 2SC2785-HFE
Q9503	8-729-119-78	s	TRANSISTOR 2SC2785-HFE
R9501	1-215-394-00	s	RESISTOR METAL FILM 75 1/4W
R9502	1-249-437-11	s	RESISTOR,CARBON 47K 1/4W SMALL
R9503	1-249-437-11	s	RESISTOR,CARBON 47K 1/4W SMALL
R9504	1-215-394-00	s	RESISTOR METAL FILM 75 1/4W
R9505	1-215-394-00	s	RESISTOR METAL FILM 75 1/4W
R9506	1-249-417-11	s	RESISTOR,CARBON 1K 1/4W(SMALL)
R9507	1-249-417-11	s	RESISTOR,CARBON 1K 1/4W(SMALL)
R9508	1-249-417-11	s	RESISTOR,CARBON 1K 1/4W(SMALL)
R9510	1-249-437-11	s	RESISTOR,CARBON 47K 1/4W SMALL
R9511	1-249-437-11	s	RESISTOR,CARBON 47K 1/4W SMALL
R9512	1-247-843-11	s	RESISTOR CARBON (SMALL) 3.3K
R9513	1-249-411-11	s	RES,CARBON 330 1/4W SMALL
R9514	1-249-437-11	s	RESISTOR,CARBON 47K 1/4W SMALL
R9515	1-249-437-11	s	RESISTOR,CARBON 47K 1/4W SMALL
R9516	1-247-843-11	s	RESISTOR CARBON (SMALL) 3.3K
R9517	1-249-411-11	s	RES,CARBON 330 1/4W SMALL
R9518	1-249-437-11	s	RESISTOR,CARBON 47K 1/4W SMALL
R9519	1-249-437-11	s	RESISTOR,CARBON 47K 1/4W SMALL
R9520	1-247-843-11	s	RESISTOR CARBON (SMALL) 3.3K
R9521	1-249-411-11	s	RES,CARBON 330 1/4W SMALL

S BOARD

Ref. No. or Q'ty	Part No.	SP	Description
4pcs	A-1391-178-A	s	MOUNTED CIRCUIT BOARD, S
C1501	1-126-392-11	s	CAPACITOR,CHIP ELECT100MF/6.3V
C1502	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C1503	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C1504	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
CN1501	1-506-482-11	s	PIN, CONNECTOR 3P
IC1501	8-759-947-34	s	IC LM35DZ
IC1502	8-759-144-72	s	IC UPC358G2-E2
R1501	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
R1502	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R1503	1-216-671-11	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1504	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)

YA BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1373-879-A	s	MOUNTED CIRCUIT BOARD, YA
1pc	4-081-302-01	o	SPACER
C8501	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C8502	1-125-838-11	s	CAPACITOR, CERAMIC 2.2MF/6.3V
CN8501	1-506-486-11	s	PIN,CONNECTOR 7P
D8502	8-719-070-57	s	DIODE PDZ5.6B-115
D8503	8-719-053-43	s	LED SLR-325VCT31
D8504	8-719-060-27	s	LED SLR-325MCT31
D8505	8-719-070-57	s	DIODE PDZ5.6B-115
D8506	8-719-070-57	s	DIODE PDZ5.6B-115
D8507	8-719-070-57	s	DIODE PDZ5.6B-115
D8508	8-719-070-57	s	DIODE PDZ5.6B-115
IC8501	8-748-035-08	s	IC SBX8035-H
R8501	1-216-047-91	s	RESISTOR, CHIP 820 1/10W(2125)
R8503	1-216-043-91	s	RESISTOR, CHIP 560 1/10W(2125)
R8505	1-216-017-91	s	RESISTOR, CHIP 47 1/10W(2012)
S8501	1-571-737-21	s	SWITCH,KEY BOARD (REFLOW)

YB BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1373-880-A	s	MOUNTED CIRCUIT BOARD, YB
CN8601	1-564-013-11	o	PIN,CONNECTOR 3P
R8601	1-216-649-11	s	RESISTOR,CHIP 820 1/10W (2012)
R8602	1-216-641-11	s	RESISTOR,CHIP 390 1/10W(2012)
R8603	1-216-635-11	s	RESISTOR,CHIP 220 1/10W (2012)
R8604	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
S8601	1-571-737-21	s	SWITCH,KEY BOARD (REFLOW)
S8602	1-571-737-21	s	SWITCH,KEY BOARD (REFLOW)
S8603	1-571-737-21	s	SWITCH,KEY BOARD (REFLOW)
S8604	1-571-737-21	s	SWITCH,KEY BOARD (REFLOW)

APS-179 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	⚠ 1-468-660-11	s	REGULATOR, SWITCHING
C101	⚠ 1-125-933-51	s	CAP, METALIZED FILM 1.0MFMF
C104	⚠ 1-113-900-11	s	CAPACITOR,CERAMIC 470PF/250V
C105	⚠ 1-113-900-11	s	CAPACITOR,CERAMIC 470PF/250V
C106	1-127-822-51	s	CAP, METALIZED FILM 1.0MF
C107	⚠ 1-131-955-11	s	CAP, FILM METALLIZED 1.5MF
C108	1-165-127-11	s	CAPACITOR,CERAMIC 470PF/500V(S
C109	1-165-127-11	s	CAPACITOR,CERAMIC 470PF/500V(S
C110	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C111	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C112	1-137-985-11	s	CAP, ELECT 390MF
C113	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C114	1-113-920-11	s	CAPACITOR,CERAMIC 2200PF/250V
C115	1-107-907-11	s	CAPACITOR,ELECT 22MF/50V
C116	⚠ 1-113-920-11	s	CAPACITOR,CERAMIC 2200PF/250V
C117	⚠ 1-113-920-11	s	CAPACITOR,CERAMIC 2200PF/250V
C118	1-136-165-00	s	CAPACITOR,FILM 0.1MF/50V (PP)
C121	1-131-858-11	s	CAP, METALIZED FILM 0.0039MF
C122	1-117-352-11	s	CAPACITOR,ELECT 150MF/35V
C123	1-115-802-11	s	CAPACITOR ELECT 56MF/35V 105C
C126	1-115-802-11	s	CAPACITOR ELECT 56MF/35V 105C
C127	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C128	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C129	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C130	1-107-907-11	s	CAPACITOR,ELECT 22MF/50V
C131	1-115-340-11	s	CAPACITOR CERAMIC 0.22MF/25V B
C132	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C133	1-163-263-11	s	CAPACITOR CERAMIC 330PF/50V
C134	1-163-017-00	s	CAPACITOR,CHIP CERAMIC 4700PF
C135	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C136	1-136-165-00	s	CAPACITOR,FILM 0.1MF/50V (PP)
C141	1-127-761-11	s	CAP, ELECT 68MF
C142	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C143	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C144	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C145	1-107-907-11	s	CAPACITOR,ELECT 22MF/50V
C146	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C147	1-115-340-11	s	CAPACITOR CERAMIC 0.22MF/25V B
C148	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C149	1-163-263-11	s	CAPACITOR CERAMIC 330PF/50V
C150	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C151	1-136-165-00	s	CAPACITOR,FILM 0.1MF/50V (PP)
C156	1-127-761-11	s	CAP, ELECT 68MF
C157	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C158	1-127-822-51	s	CAP, METALIZED FILM 1.0MF
C159	1-127-822-51	s	CAP, METALIZED FILM 1.0MF
C160	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C161	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C162	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C163	1-107-907-11	s	CAPACITOR,ELECT 22MF/50V
C164	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C165	1-115-340-11	s	CAPACITOR CERAMIC 0.22MF/25V B
C166	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C167	1-163-263-11	s	CAPACITOR CERAMIC 330PF/50V
C168	1-163-017-00	s	CAPACITOR,CHIP CERAMIC 4700PF
C169	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C170	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C171	1-115-340-11	s	CAPACITOR CERAMIC 0.22MF/25V B
C172	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V

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Ref. No. or Q'ty	Part No.	SP	Description
C173	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C174	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C175	1-164-645-11	s	CAPACITOR,CERAMIC 1000PF/500V
C176	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C177	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C179	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C180	1-137-985-11	s	CAP, ELECT 390MF
C181	⚠1-113-900-11	s	CAPACITOR,CERAMIC 470PF/250V
C182	⚠1-113-920-11	s	CAPACITOR,CERAMIC 2200PF/250V
C185	1-113-920-11	s	CAPACITOR,CERAMIC 2200PF/250V
C187	1-107-905-11	s	CAPACITOR,ELECT 4.7MF/50V
C201	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C202	1-107-877-11	s	CAPACITOR, ELECT 1000MF/10V
C204	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C207	1-107-877-11	s	CAPACITOR, ELECT 1000MF/10V
C208	1-117-353-91	s	CAPACITOR ELECT 220MF/35V(105)
C209	1-115-811-11	s	CAPACITOR ELECT 560MF/35V(105)
C210	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C212	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C215	1-135-362-31	s	CAP, ELECT 1500MF
C216	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C217	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C218	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C219	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C220	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C221	1-128-528-11	s	CAPACITOR, ELECT 470MF/25V
C222	1-128-528-11	s	CAPACITOR, ELECT 470MF/25V
C223	1-107-909-11	s	CAPACITOR,ELECT 47MF/50V
C224	1-128-528-11	s	CAPACITOR, ELECT 470MF/25V
C225	1-128-528-11	s	CAPACITOR, ELECT 470MF/25V
C226	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C227	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C228	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C229	1-115-340-11	s	CAPACITOR CERAMIC 0.22MF/25V B
C230	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C232	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C233	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C234	1-107-909-11	s	CAPACITOR,ELECT 47MF/50V
C236	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C237	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C238	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C239	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C240	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C241	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C242	1-128-528-11	s	CAPACITOR, ELECT 470MF/25V
C243	1-128-528-11	s	CAPACITOR, ELECT 470MF/25V
C244	1-128-954-11	s	CAP, ELECT 1000MF
C245	1-128-527-11	s	CAPACITOR,ELECT 330MF/25V
C246	1-128-528-11	s	CAPACITOR, ELECT 470MF/25V
C252	1-137-991-21	s	CAP, ELECT 3900MF
C253	1-137-991-21	s	CAP, ELECT 3900MF
C254	1-128-528-11	s	CAPACITOR, ELECT 470MF/25V
C255	1-117-352-11	s	CAPACITOR,ELECT 150MF/35V
C256	1-117-295-91	s	CAP, ELECT 82MF
C272	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C301	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C302	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C303	1-107-823-11	s	CAPACITOR,CERAMIC 0.47MF/16V
C304	1-107-909-11	s	CAPACITOR,ELECT 47MF/50V
C305	1-163-251-11	s	CAPACITOR CERAMIC 100PF/50V

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Ref. No. or Q'ty	Part No.	SP	Description
C306	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C307	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C308	1-163-133-00	s	CAPACITOR,CHIP CERAMIC 470PF
C309	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C310	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C311	1-117-352-11	s	CAPACITOR,ELECT 150MF/35V
C312	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C313	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C314	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C315	1-104-760-11	s	CAPACITOR CERAMIC 0.047MF/50V
C316	1-163-145-00	s	CAPACITOR,CHIP CERAMIC 1500PF
C317	1-107-823-11	s	CAPACITOR,CERAMIC 0.47MF/16V
C318	1-163-275-11	s	CAPACITOR CERAMIC 1000PF/50V
C319	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C320	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C321	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C322	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C323	1-107-906-11	s	CAPACITOR,ELECT 10MF/50V(105)
C324	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C325	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C326	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C405	1-137-984-11	s	CAP, ELECT 2200MF
C406	1-137-984-11	s	CAP, ELECT 2200MF
C421	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C422	1-137-984-11	s	CAP, ELECT 2200MF
C423	1-137-984-11	s	CAP, ELECT 2200MF
C429	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C430	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C432	1-137-984-11	s	CAP, ELECT 2200MF
C501	1-136-165-00	s	CAPACITOR,FILM 0.1MF/50V (PP)
C504	1-163-133-00	s	CAPACITOR,CHIP CERAMIC 470PF
C505	1-163-133-00	s	CAPACITOR,CHIP CERAMIC 470PF
C510	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C511	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C513	1-131-859-11	s	CAP, METALIZED FILM 0.033MF
C514	1-131-859-11	s	CAP, METALIZED FILM 0.033MF
C603	1-137-983-31	s	CAP, ELECT 680MF
C604	1-137-983-31	s	CAP, ELECT 680MF
C614	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C616	1-137-983-31	s	CAP, ELECT 680MF
C701	1-136-165-00	s	CAPACITOR,FILM 0.1MF/50V (PP)
C713	1-131-919-31	s	CAPACITOR METALIZED 0.022MF
C714	1-131-919-31	s	CAPACITOR METALIZED 0.022MF
C801	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C802	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C803	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C805	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C806	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C807	1-104-760-11	s	CAPACITOR CERAMIC 0.047MF/50V
C808	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C809	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C810	1-117-272-11	s	CAPACITOR, ELECT 180MF/10V
C811	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C812	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C813	1-107-906-11	s	CAPACITOR,ELECT 10MF/50V(105)
C814	1-107-906-11	s	CAPACITOR,ELECT 10MF/50V(105)
C815	1-107-907-11	s	CAPACITOR,ELECT 22MF/50V
C817	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C818	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C819	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V

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Ref. No. or Q'ty	Part No.	SP	Description
C820	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C823	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C860	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C861	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C862	1-163-017-00	s	CAPACITOR,CHIP CERAMIC 4700PF
C863	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C864	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C865	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C866	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C867	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C868	1-107-906-11	s	CAPACITOR,ELECT 10MF/50V(105)
C869	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C872	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C873	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C901	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C902	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C903	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C904	1-107-907-11	s	CAPACITOR,ELECT 22MF/50V
C905	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C906	1-115-340-11	s	CAPACITOR CERAMIC 0.22MF/25V B
C907	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C908	1-163-263-11	s	CAPACITOR CERAMIC 330PF/50V
C909	1-163-017-00	s	CAPACITOR,CHIP CERAMIC 4700PF
C910	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C950	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C951	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C952	1-163-009-11	s	CAPACITOR,CERAMIC 1000PF/50V
C953	1-107-907-11	s	CAPACITOR,ELECT 22MF/50V
C954	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C955	1-115-340-11	s	CAPACITOR CERAMIC 0.22MF/25V B
C956	1-163-037-11	s	CAPACITOR,CHIP CERAMIC 0.022MF
C957	1-163-263-11	s	CAPACITOR CERAMIC 330PF/50V
C958	1-163-017-00	s	CAPACITOR,CHIP CERAMIC 4700PF
C959	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
CN6	1-564-708-11	o	PIN,CONNECTOR (6P)
CN23	1-779-092-11	s	PIN, CONNECTOR (PC BOARD) 10P
CN33	1-766-177-11	o	PIN, CONNECTOR (PC BOARD) 9P
CN42	1-564-709-11	o	PIN,CONNECTOR(7P)
CN52	1-564-709-11	o	PIN,CONNECTOR(7P)
CN61	1-580-843-11	s	PIN,CONNECTOR(POWER)
CN9001	1-564-712-11	o	PIN,CONNECTOR (10P)
CN9002	1-564-713-11	o	PIN,CONNECTOR (11P)
CN9003	1-564-711-11	o	PIN,CONNECTOR (9P)
CN9004	1-564-511-11	o	PLUG,CONNECTOR (8P)
D101	8-719-056-84	s	DIODE UZD-TE-17-7.5B
D102	8-719-991-33	s	DIODE 1SS133T-77
D103	⚠ 8-719-055-11	s	DIODE 05NH46
D104	⚠ 8-719-073-32	s	DIODE D25XB60
D105	⚠ 8-719-055-11	s	DIODE 05NH46
D106	8-719-044-97	s	DIODE HZU20BTRF
D107	8-719-988-61	s	DIODE 1SS355TE-17
D108	8-719-988-61	s	DIODE 1SS355TE-17
D109	8-719-073-58	s	DIODE 20JL2C41A
D110	8-719-988-61	s	DIODE 1SS355TE-17
D111	8-719-988-61	s	DIODE 1SS355TE-17
D112	8-719-988-61	s	DIODE 1SS355TE-17
D113	8-719-988-61	s	DIODE 1SS355TE-17
D114	8-719-988-61	s	DIODE 1SS355TE-17
D115	8-719-988-61	s	DIODE 1SS355TE-17

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Ref. No. or Q'ty	Part No.	SP	Description	
D116	8-719-988-61	s	DIODE 1SS355TE-17	
D117	8-719-988-61	s	DIODE 1SS355TE-17	
D118	8-719-071-81	s	DIODE HZU30BTRF	
D119	8-719-914-44	s	DIODE DAP202K	(DUAL)
D120	8-719-948-45	s	DIODE ERA22-08	
D121	8-719-948-45	s	DIODE ERA22-08	
D122	8-719-931-29	s	DIODE HZS20NTD	
D123	8-719-988-61	s	DIODE 1SS355TE-17	
D124	8-719-063-70	s	DIODE D1NL20U	
D125	8-719-914-43	s	DIODE DAN202K	
D126	8-719-988-61	s	DIODE 1SS355TE-17	
D151	8-719-988-61	s	DIODE 1SS355TE-17	
D152	8-719-988-61	s	DIODE 1SS355TE-17	
D160	8-719-988-61	s	DIODE 1SS355TE-17	
D161	8-719-988-61	s	DIODE 1SS355TE-17	
D162	8-719-914-43	s	DIODE DAN202K	
D163	8-719-044-89	s	DIODE HZU4.7BTRF	
D201	8-719-988-61	s	DIODE 1SS355TE-17	
D202	8-719-082-75	s	DIODE FCH08A10	
D203	8-719-063-70	s	DIODE D1NL20U	
D205	8-719-988-61	s	DIODE 1SS355TE-17	
D206	8-719-082-75	s	DIODE FCH08A10	
D207	8-719-082-75	s	DIODE FCH08A10	
D208	8-719-988-61	s	DIODE 1SS355TE-17	
D209	8-719-988-61	s	DIODE 1SS355TE-17	
D211	8-719-082-75	s	DIODE FCH08A10	
D212	8-719-071-63	s	DIODE HZU6.2BTRF	
D213	8-719-914-43	s	DIODE DAN202K	
D214	8-719-071-81	s	DIODE HZU30BTRF	
D215	8-719-988-61	s	DIODE 1SS355TE-17	
D217	8-719-047-88	s	DIODE HZU5.1BTRF	
D222	8-719-079-00	s	DIODE FCH10A15	
D223	8-719-914-44	s	DIODE DAP202K	(DUAL)
D224	8-719-914-43	s	DIODE DAN202K	
D225	8-719-914-44	s	DIODE DAP202K	(DUAL)
D226	8-719-988-61	s	DIODE 1SS355TE-17	
D227	8-719-914-43	s	DIODE DAN202K	
D240	8-719-071-60	s	DIODE HZU3.3BTRF	
D250	8-719-071-07	s	DIODE FCQ20A03L	
D301	8-719-056-84	s	DIODE UZD-TE-17-7.5B	
D302	8-719-071-94	s	DIODE HRU0103ATRF	
D303	8-719-071-94	s	DIODE HRU0103ATRF	
D304	8-719-056-84	s	DIODE UZD-TE-17-7.5B	
D305	8-719-071-94	s	DIODE HRU0103ATRF	
D306	8-719-988-61	s	DIODE 1SS355TE-17	
D307	8-719-988-61	s	DIODE 1SS355TE-17	
D308	8-719-988-61	s	DIODE 1SS355TE-17	
D310	8-719-988-61	s	DIODE 1SS355TE-17	
D401	8-719-077-10	s	DIODE 20FL2C41A	
D402	8-719-988-61	s	DIODE 1SS355TE-17	
D403	8-719-988-61	s	DIODE 1SS355TE-17	
D411	8-719-047-88	s	DIODE HZU5.1BTRF	
D501	8-719-988-61	s	DIODE 1SS355TE-17	
D502	8-719-988-61	s	DIODE 1SS355TE-17	
D601	8-719-082-58	s	DIODE FCF16A40	
D701	8-719-988-61	s	DIODE 1SS355TE-17	
D702	8-719-988-61	s	DIODE 1SS355TE-17	
D801	8-719-914-44	s	DIODE DAP202K	(DUAL)
D802	8-719-047-88	s	DIODE HZU5.1BTRF	
D804	8-719-988-61	s	DIODE 1SS355TE-17	

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Ref. No. or Q'ty	Part No.	SP	Description	
D805	8-719-047-88	s	DIODE HZU5.1BTRF	
D806	8-719-047-88	s	DIODE HZU5.1BTRF	
D807	8-719-988-61	s	DIODE 1SS355TE-17	
D808	8-719-988-61	s	DIODE 1SS355TE-17	
D809	8-719-988-61	s	DIODE 1SS355TE-17	
D810	8-719-988-61	s	DIODE 1SS355TE-17	
D811	8-719-988-61	s	DIODE 1SS355TE-17	
D860	8-719-914-44	s	DIODE DAP202K	(DUAL)
D861	8-719-047-88	s	DIODE HZU5.1BTRF	
D863	8-719-988-61	s	DIODE 1SS355TE-17	
D864	8-719-073-01	s	DIODE MA111-(K8).S0	
D865	8-719-073-01	s	DIODE MA111-(K8).S0	
D901	8-719-988-61	s	DIODE 1SS355TE-17	
D902	8-719-914-44	s	DIODE DAP202K	(DUAL)
D950	8-719-988-61	s	DIODE 1SS355TE-17	
D952	8-719-914-43	s	DIODE DAN202K	
D964	8-719-988-61	s	DIODE 1SS355TE-17	
D965	8-719-988-61	s	DIODE 1SS355TE-17	
F101	⚠ 1-576-567-11	s	FUSE (15A)	
IC101	8-759-470-07	s	IC CXA8038AP	
IC102	8-759-470-07	s	IC CXA8038AP	
IC104	8-759-827-22	s	IC FA3641P	
IC150	8-759-470-07	s	IC CXA8038AP	
IC201	8-759-520-49	s	IC PQ30RV21	
IC203	8-759-324-03	s	IC HA17431UA(TL)	
IC204	8-759-324-03	s	IC HA17431UA(TL)	
IC205	8-759-324-03	s	IC HA17431UA(TL)	
IC206	8-759-170-73	s	IC TA78L12S	
IC207	8-759-431-22	s	IC LM324DT	
IC208	8-759-510-71	s	IC BA10358F-E2	
IC209	6-701-846-01	s	IC LMV358MX	
IC210	6-701-745-01	s	IC TA48033S	
IC211	8-759-947-34	s	IC LM35DZ	
IC212	8-759-520-49	s	IC PQ30RV21	
IC301	8-759-354-43	s	IC TK83854D	
IC302	8-759-431-22	s	IC LM324DT	
IC303	8-759-324-03	s	IC HA17431UA(TL)	
IC801	8-759-510-71	s	IC BA10358F-E2	
IC802	8-759-324-03	s	IC HA17431UA(TL)	
IC803	8-759-431-22	s	IC LM324DT	
IC804	8-759-510-71	s	IC BA10358F-E2	
IC860	8-759-431-22	s	IC LM324DT	
IC861	8-759-324-03	s	IC HA17431UA(TL)	
IC901	8-759-470-07	s	IC CXA8038AP	
IC950	8-759-470-07	s	IC CXA8038AP	
L101	1-416-489-11	s	COIL, CHOKE (SN13-500) 143UH	
L102	1-424-932-12	s	COIL, CHOKE (PFC EE40CL010)	
L103	1-424-932-12	s	COIL, CHOKE (PFC EE40CL010)	
L201	1-406-703-11	s	COIL, CHOKE(PC8-3R3M) 3.3UH	
L202	1-406-703-11	s	COIL, CHOKE(PC8-3R3M) 3.3UH	
L203	1-406-703-11	s	COIL, CHOKE(PC8-3R3M) 3.3UH	
L204	1-406-703-11	s	COIL, CHOKE(PC8-3R3M) 3.3UH	
L205	1-406-703-11	s	COIL, CHOKE(PC8-3R3M) 3.3UH	
L206	1-406-703-11	s	COIL, CHOKE(PC8-3R3M) 3.3UH	
L207	1-406-703-11	s	COIL, CHOKE(PC8-3R3M) 3.3UH	
L401	1-428-894-11	s	COIL, CHOKE (CH BS12030X6ZPBF)	
L402	1-416-616-11	s	COIL, CHOKE (CH71512) 2.2UH	
L501	1-424-931-12	s	COIL, CHOKE (CH EE40CL009)	

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Ref. No. or Q'ty	Part No.	SP	Description	
L601	1-428-893-11	s	COIL, CHOKE (CH BS06030X2ZPBF)	
L602	1-416-616-11	s	COIL, CHOKE (CH71512) 2.2UH	
LF101	⚠ 1-437-603-11	s	TRANSFORMER, LINE FILTER	
LF102	⚠ 1-437-603-11	s	TRANSFORMER, LINE FILTER	
PH101	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH102	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH103	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH104	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH105	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH106	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH107	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH108	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH109	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH110	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH111	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH901	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH902	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH903	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
PH950	8-749-924-80	o	PHOTO COUPLER PS2561L1-1-V	
Q100	8-729-053-48	s	TRANSISTOR 2SK3235	
Q101	8-729-053-48	s	TRANSISTOR 2SK3235	
Q102	8-729-053-48	s	TRANSISTOR 2SK3235	
Q103	8-729-903-46	s	TRANSISTOR 2SB1132-P	
Q104	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6	
Q105	8-729-018-75	s	TRANSISTOR 2SJ278MY	
Q106	8-729-027-23	s	TRANSISTOR DTA114EKA-T146	
Q107	8-729-046-51	o	TRANSISTOR FK10KM-10	
Q108	8-729-046-51	o	TRANSISTOR FK10KM-10	
Q109	8-729-216-22	s	TRANSISTOR 2SA1162-G	
Q112	8-729-046-51	o	TRANSISTOR FK10KM-10	
Q113	8-729-046-51	o	TRANSISTOR FK10KM-10	
Q114	8-729-216-22	s	TRANSISTOR 2SA1162-G	
Q115	8-729-050-27	s	TRANSISTOR FS3KM-14A	
Q116	8-729-209-15	s	TRANSISTOR 2SD2012	
Q153	8-729-046-51	o	TRANSISTOR FK10KM-10	
Q154	8-729-046-51	o	TRANSISTOR FK10KM-10	
Q201	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6	
Q202	8-729-045-62	s	TRANSISTOR 2SK2158-T2B	
Q204	8-729-421-22	s	TRANSISTOR UN2211	
Q205	8-729-421-22	s	TRANSISTOR UN2211	
Q206	8-729-421-22	s	TRANSISTOR UN2211	
Q207	8-729-421-22	s	TRANSISTOR UN2211	
Q208	8-729-045-62	s	TRANSISTOR 2SK2158-T2B	
Q210	8-729-421-22	s	TRANSISTOR UN2211	
Q211	8-729-421-22	s	TRANSISTOR UN2211	
Q212	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6	
Q220	8-729-421-22	s	TRANSISTOR UN2211	
Q221	8-729-421-22	s	TRANSISTOR UN2211	
Q222	8-729-421-22	s	TRANSISTOR UN2211	
Q301	8-729-903-46	s	TRANSISTOR 2SB1132-P	
Q302	8-729-040-89	s	TRANSISTOR 2SK1590-T1B	
Q303	8-729-040-88	s	TRANSISTOR 2SB1240TV2QR	
Q304	8-729-216-22	s	TRANSISTOR 2SA1162-G	
Q305	8-729-421-22	s	TRANSISTOR UN2211	
Q306	8-729-040-23	s	TRANSISTOR 2SD1862TV2QR	
Q307	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6	
Q308	8-729-040-89	s	TRANSISTOR 2SK1590-T1B	
Q309	8-729-216-22	s	TRANSISTOR 2SA1162-G	

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Ref. No. or Q'ty	Part No.	SP	Description
Q310	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q406	8-729-045-62	s	TRANSISTOR 2SK2158-T2B
Q407	6-550-021-01	s	TRANSISTOR 2SK3148-01
Q408	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q409	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q501	8-729-141-48	s	TRANSISTOR 2SB624-BV345
Q502	8-729-141-48	s	TRANSISTOR 2SB624-BV345
Q503	8-729-053-48	s	TRANSISTOR 2SK3235
Q504	8-729-053-48	s	TRANSISTOR 2SK3235
Q602	8-729-045-62	s	TRANSISTOR 2SK2158-T2B
Q603	8-729-050-53	s	TRANSISTOR 2SK3212-01
Q703	8-729-046-51	o	TRANSISTOR FK10KM-10
Q704	8-729-046-51	o	TRANSISTOR FK10KM-10
Q801	8-729-045-62	s	TRANSISTOR 2SK2158-T2B
Q802	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q803	8-729-045-62	s	TRANSISTOR 2SK2158-T2B
Q804	8-729-045-62	s	TRANSISTOR 2SK2158-T2B
Q860	8-729-045-62	s	TRANSISTOR 2SK2158-T2B
R101	⚠ 1-244-313-11	s	RES, CEMENT-COATED 10
R102	⚠ 1-260-131-11	s	RESISTOR,CARBON 470K 1/2W
R103	1-243-665-11	s	RES, METAL PLATE 0.05
R104	1-243-665-11	s	RES, METAL PLATE 0.05
R105	1-216-308-00	s	RESISTOR,CHIP 4.7 1/10W(2012)
R106	1-249-393-11	s	RES,CARBON 10 1/4W
R107	1-216-308-00	s	RESISTOR,CHIP 4.7 1/10W(2012)
R108	1-249-393-11	s	RES,CARBON 10 1/4W
R109	1-215-882-00	s	RESISTOR,METAL FILM 22/2W
R110	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R111	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R112	1-247-807-31	s	RESISTOR,CARBON 100 1/4W
R113	1-216-077-00	s	RESISTOR,CHIP 15K 1/10W(2012)
R114	1-218-757-11	s	RESISTOR,CHIP 160K 1/10W(2012)
R115	1-218-757-11	s	RESISTOR,CHIP 160K 1/10W(2012)
R116	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R117	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R118	1-216-345-11	s	RESISTOR,METAL FILM 0.47 1W
R119	1-216-077-00	s	RESISTOR,CHIP 15K 1/10W(2012)
R120	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R121	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R122	1-249-413-11	s	RESISTOR,CARBON 470 1/4W SMALL
R123	1-249-401-11	s	RES,CARBON 47 1/4W (SMALL)
R124	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R125	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R126	1-216-033-00	s	RESISTOR,CHIP 220 1/10W(2012)
R127	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R128	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R129	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R130	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R131	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R132	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R133	1-216-029-00	s	RESISTOR,CHIP 150 1/10W(2012)
R134	1-216-070-00	s	RESISTOR,CHIP 7.5K 1/10W(2012)
R135	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R136	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R137	1-216-029-00	s	RESISTOR,CHIP 150 1/10W(2012)
R138	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R139	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R140	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R141	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R142	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R143	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R144	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R145	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R146	1-218-757-11	s	RESISTOR,CHIP 160K 1/10W(2012)
R147	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R148	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R149	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R150	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R151	1-247-807-31	s	RESISTOR,CARBON 100 1/4W
R152	1-218-757-11	s	RESISTOR,CHIP 160K 1/10W(2012)
R153	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R154	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R155	1-216-343-00	s	RESISTOR,METAL FILM 0.33 1W
R156	1-216-109-00	s	RESISTOR CHIP 330K 1/10W(2012)
R157	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R158	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R159	1-216-343-00	s	RESISTOR,METAL FILM 0.33 1W
R160	1-249-401-11	s	RES,CARBON 47 1/4W (SMALL)
R161	1-249-413-11	s	RESISTOR,CARBON 470 1/4W SMALL
R162	1-216-029-00	s	RESISTOR,CHIP 150 1/10W(2012)
R163	1-216-033-00	s	RESISTOR,CHIP 220 1/10W(2012)
R164	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R165	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R166	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R167	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R168	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R169	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R170	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R171	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R172	1-216-109-00	s	RESISTOR CHIP 330K 1/10W(2012)
R173	1-216-308-00	s	RESISTOR,CHIP 4.7 1/10W(2012)
R174	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R175	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R176	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R177	1-249-401-11	s	RES,CARBON 47 1/4W (SMALL)
R178	1-247-807-31	s	RESISTOR,CARBON 100 1/4W
R179	1-249-393-11	s	RES,CARBON 10 1/4W
R180	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R181	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R182	1-216-099-00	s	RESISTOR,CHIP 120K 1/10W(2012)
R183	1-216-037-00	s	RESISTOR,CHIP 330 1/10W(2012)
R184	1-216-033-00	s	RESISTOR,CHIP 220 1/10W(2012)
R185	1-218-642-11	s	RESISTOR,METAL 100K/1W
R186	1-216-308-00	s	RESISTOR,CHIP 4.7 1/10W(2012)
R187	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R188	1-216-685-11	s	RESISTOR,CHIP 27K 1/10W(2012)
R189	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R190	1-216-349-00	s	RESISTOR,METAL FILM 1/1W
R191	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R192	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R193	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R194	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R195	⚠ 1-219-513-11	s	RESISTOR 4.7M 1/2W (SURGE)
R196	⚠ 1-219-513-11	s	RESISTOR 4.7M 1/2W (SURGE)
R197	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R198	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R199	1-249-401-11	s	RES,CARBON 47 1/4W (SMALL)
R203	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R204	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R205	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R206	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R207	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R208	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R209	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R210	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R211	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R212	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R214	1-216-079-00	s	RESISTOR CHIP 18K 1/10W(2012)
R215	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R216	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R217	1-216-634-11	s	RESISTOR,CHIP 200 1/10W(2012)
R218	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R219	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R221	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R223	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R224	1-216-689-11	s	RESISTOR,CHIP 39K 1/10W(2012)
R226	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R227	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R228	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R229	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R230	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R231	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R232	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R233	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R234	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R235	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R236	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R237	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R238	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R239	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R240	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R241	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R242	1-216-053-00	s	RESISTOR CHIP 1.5K 1/10W(2012)
R243	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R244	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R245	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R246	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R247	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R248	1-216-113-00	s	RESISTOR CHIP 470K 1/10W(2012)
R250	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R256	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R257	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R258	1-216-041-00	s	RESISTOR, CHIP 470 1/10W(2012)
R259	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R260	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R261	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R263	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R264	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R265	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R266	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R267	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R268	1-240-386-21	s	RES, PRECISION 8.2K (2012)
R269	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R270	1-216-053-00	s	RESISTOR CHIP 1.5K 1/10W(2012)
R271	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R272	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R273	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R274	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R275	1-216-113-00	s	RESISTOR CHIP 470K 1/10W(2012)
R276	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R277	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R278	1-216-051-00	s	RESISTOR,CHIP 1.2K 1/10W(2012)
R279	1-216-113-00	s	RESISTOR CHIP 470K 1/10W(2012)
R280	1-216-041-00	s	RESISTOR, CHIP 470 1/10W(2012)
R282	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R283	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R284	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R285	1-216-055-00	s	RESISTOR CHIP 1.8K 1/10W(2012)
R286	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R287	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R288	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R289	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R290	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R291	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R292	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R293	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R294	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
R295	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R296	1-215-889-00	s	RESISTOR,METAL FILM 330 2W
R297	1-215-889-00	s	RESISTOR,METAL FILM 330 2W
R298	1-215-892-11	s	RESISTOR,METAL FILM 1K/2W
R299	1-215-892-11	s	RESISTOR,METAL FILM 1K/2W
R301	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R302	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R303	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R304	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R306	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R307	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R309	1-216-109-00	s	RESISTOR CHIP 330K 1/10W(2012)
R310	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R311	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R312	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R313	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R314	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R315	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R316	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R317	1-240-363-21	s	RES, PRECISION 910 (2012)
R318	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R319	1-216-079-00	s	RESISTOR CHIP 18K 1/10W(2012)
R320	1-216-067-00	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R321	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R322	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R323	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R324	1-216-084-00	s	RESISTOR,CHIP 30K 1/10W(2012)
R325	1-216-077-00	s	RESISTOR,CHIP 15K 1/10W(2012)
R326	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R327	1-249-393-11	s	RES,CARBON 10 1/4W
R328	1-247-807-31	s	RESISTOR,CARBON 100 1/4W
R329	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R330	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R331	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R332	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R333	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R335	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R336	1-216-101-00	s	RESISTOR CHIP 150K 1/10W(2012)
R337	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R338	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R339	1-216-042-00	s	RESISTOR,CHIP 510 1/10W (2125)

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Ref. No. or Q'ty	Part No.	SP	Description
R340	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R341	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R342	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R343	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R344	1-216-079-00	s	RESISTOR CHIP 18K 1/10W(2012)
R345	1-216-077-00	s	RESISTOR,CHIP 15K 1/10W(2012)
R346	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R348	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R349	1-240-376-21	s	RES, PRECISION 3.3K (2012)
R350	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R351	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R352	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R353	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R354	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R355	1-247-791-91	s	RESISTOR,CARBON 22 1/4W
R356	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R357	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R358	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R359	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R360	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R361	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R362	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R363	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R364	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R365	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R366	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R370	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R371	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R372	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R373	1-216-042-00	s	RESISTOR,CHIP 510 1/10W (2125)
R412	1-216-093-00	s	RESISTOR, CHIP 68K 1/10W(2012)
R413	1-216-093-00	s	RESISTOR, CHIP 68K 1/10W(2012)
R414	1-216-093-00	s	RESISTOR, CHIP 68K 1/10W(2012)
R420	1-243-638-31	s	RES, METAL PLATE 0.05
R443	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R444	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R445	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R449	1-244-348-11	s	RES, METAL PLATE 0.47
R450	1-244-348-11	s	RES, METAL PLATE 0.47
R453	1-244-304-11	s	RES, CEMENT-COATED 10
R454	1-244-348-11	s	RES, METAL PLATE 0.47
R455	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R459	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R460	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R461	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R462	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R463	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R464	1-240-383-21	s	RES, PRECISION 6.2K (2012)
R471	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R472	1-216-071-00	s	RESISTOR,CHIP 8.2K 1/10W(2012)
R473	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R474	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R475	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R476	1-216-079-00	s	RESISTOR CHIP 18K 1/10W(2012)
R477	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R478	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R479	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R480	1-240-382-21	s	RES, PRECISION 5.6K (2012)
R501	1-249-401-11	s	RES,CARBON 47 1/4W (SMALL)
R502	1-247-807-31	s	RESISTOR,CARBON 100 1/4W

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Ref. No. or Q'ty	Part No.	SP	Description
R504	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R505	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R509	1-216-308-00	s	RESISTOR,CHIP 4.7 1/10W(2012)
R510	1-216-308-00	s	RESISTOR,CHIP 4.7 1/10W(2012)
R511	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R512	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R516	1-243-665-11	s	RES, METAL PLATE 0.05
R601	1-244-348-11	s	RES, METAL PLATE 0.47
R605	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R606	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R611	1-243-638-31	s	RES, METAL PLATE 0.05
R622	1-216-085-00	s	RESISTOR CHIP 33K 1/10W(2012)
R627	1-240-562-21	s	RES, PRECISION 47K (2012)
R628	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R629	1-240-562-21	s	RES, PRECISION 47K (2012)
R630	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R636	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R639	1-244-305-11	s	RES, CEMENT-COATED 15
R640	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R641	1-216-669-11	s	RESISTOR,CHIP 5.6K 1/10W(2012)
R642	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R701	1-249-401-11	s	RES,CARBON 47 1/4W (SMALL)
R702	1-247-807-31	s	RESISTOR,CARBON 100 1/4W
R710	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R711	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R712	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R713	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R716	1-243-639-11	s	RES, METAL PLATE 0.1
R724	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R725	1-240-332-21	s	RES, PRECISION 47 (2012)
R801	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R802	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R803	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R804	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R805	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R806	1-216-070-00	s	RESISTOR,CHIP 7.5K 1/10W(2012)
R807	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R808	1-216-070-00	s	RESISTOR,CHIP 7.5K 1/10W(2012)
R809	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R810	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R811	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R812	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R813	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R814	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R815	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R816	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R817	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R818	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R820	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R821	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R822	1-216-068-00	s	RESISTOR,CHIP 6.2K 1/10W(2012)
R823	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R824	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R825	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R826	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R827	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R828	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R829	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R830	1-216-009-00	s	RESISTOR,CHIP 22 1/10W (2012)
R831	1-240-568-21	s	RES, PRECISION 82K (2012)

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Ref. No. or Q'ty	Part No.	SP	Description
R833	1-216-009-00	s	RESISTOR,CHIP 22 1/10W (2012)
R835	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R837	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R838	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R839	1-216-085-00	s	RESISTOR CHIP 33K 1/10W(2012)
R840	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R841	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R842	1-240-567-21	s	RES, PRECISION 75K (2012)
R844	1-216-655-11	s	RESISTOR,CHIP 1.5K 1/10W(2012)
R845	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R846	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R847	1-216-655-11	s	RESISTOR,CHIP 1.5K 1/10W(2012)
R848	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R849	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)
R850	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R851	1-216-033-00	s	RESISTOR,CHIP 220 1/10W(2012)
R852	1-216-113-00	s	RESISTOR CHIP 470K 1/10W(2012)
R853	1-216-113-00	s	RESISTOR CHIP 470K 1/10W(2012)
R854	1-216-085-00	s	RESISTOR CHIP 33K 1/10W(2012)
R855	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R861	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R862	1-216-070-00	s	RESISTOR,CHIP 7.5K 1/10W(2012)
R863	1-216-071-00	s	RESISTOR,CHIP 8.2K 1/10W(2012)
R864	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R865	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R866	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R867	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R868	1-216-085-00	s	RESISTOR CHIP 33K 1/10W(2012)
R869	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R870	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R871	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R873	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R874	1-216-659-11	s	RESISTOR,CHIP 2.2K 1/10W(2012)
R875	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R876	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R877	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R878	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R880	1-216-661-11	s	RESISTOR,CHIP 2.7K 1/10W(2012)
R881	1-216-085-00	s	RESISTOR CHIP 33K 1/10W(2012)
R882	1-216-041-00	s	RESISTOR, CHIP 470 1/10W(2012)
R883	1-240-376-21	s	RES, PRECISION 3.3K (2012)
R884	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R885	1-216-109-00	s	RESISTOR CHIP 330K 1/10W(2012)
R886	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R887	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R890	1-216-123-11	s	RESISTOR,CHIP 1.2M 1/10W(2012)
R891	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R892	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R893	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R894	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R901	1-216-635-11	s	RESISTOR,CHIP 220 1/10W (2012)
R902	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R903	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R904	1-216-635-11	s	RESISTOR,CHIP 220 1/10W (2012)
R905	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R906	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R907	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R908	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R909	1-216-079-00	s	RESISTOR CHIP 18K 1/10W(2012)
R910	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)

(APS-179 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R950	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R952	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R953	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R954	1-240-336-21	s	RES, PRECISION 68 (2012)
R955	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R956	1-216-121-00	s	RESISTOR CHIP 1M 1/10W(2012)
R957	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R958	1-216-079-00	s	RESISTOR CHIP 18K 1/10W(2012)
R959	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
RV101	1-241-765-11	s	RESISTOR,ADJ, CERMET 22K
RV102	1-241-765-11	s	RESISTOR,ADJ, CERMET 22K
RV150	1-241-765-11	s	RESISTOR,ADJ, CERMET 22K
RV201	1-241-761-11	s	RESISTOR ADJ 1K (CERMET)
RV202	1-241-761-11	s	RESISTOR ADJ 1K (CERMET)
RV203	1-241-760-11	s	RESISTOR ADJ 470 (CERMET)
RV270	1-241-761-11	s	RESISTOR ADJ 1K (CERMET)
RV301	1-241-762-11	s	RESISTOR ADJ 2.2K (CERMET)
RV801	1-241-760-11	s	RESISTOR ADJ 470 (CERMET)
RV802	1-241-760-11	s	RESISTOR ADJ 470 (CERMET)
RV803	1-241-760-11	s	RESISTOR ADJ 470 (CERMET)
RV860	1-241-760-11	s	RESISTOR ADJ 470 (CERMET)
RV861	1-241-763-11	s	RESISTOR ADJ 4.7K (CERMET)
RV901	1-241-765-11	s	RESISTOR,ADJ, CERMET 22K
RV950	1-241-765-11	s	RESISTOR,ADJ, CERMET 22K
RY103	⚠ 1-755-430-11	s	RELAY (FTR-K2AK018T)
T101	1-435-980-21	o	TRANSFORMER, CONVERTER
T102	1-435-981-21	o	TRANSFORMER, CONVERTER
T103	1-426-931-21	o	TRANSFORMER,DRIVE (DTU070304Z)
T104	1-426-931-21	o	TRANSFORMER,DRIVE (DTU070304Z)
T105	1-426-931-21	o	TRANSFORMER,DRIVE (DTU070304Z)
T106	1-437-563-11	o	TRANSFORMER, CONVERTER
T107	1-437-564-11	o	TRANSFORMER, CONVERTER
T501	1-426-931-21	o	TRANSFORMER,DRIVE (DTU070304Z)
T502	1-437-506-11	o	TRANSFORMER, CONVERTER
T701	1-426-931-21	o	TRANSFORMER,DRIVE (DTU070304Z)
T702	1-435-983-21	o	TRANSFORMER, CONVERTER
THP101	1-809-789-71	s	THERMISTOR,POSITIVE
THP102	1-809-789-71	s	THERMISTOR,POSITIVE
THP103	1-809-789-71	s	THERMISTOR,POSITIVE
THP104	1-809-789-71	s	THERMISTOR,POSITIVE
VDR101	⚠ 1-810-977-21	s	VARISTOR
VDR105	⚠ 1-810-977-21	s	VARISTOR

Miscellaneous

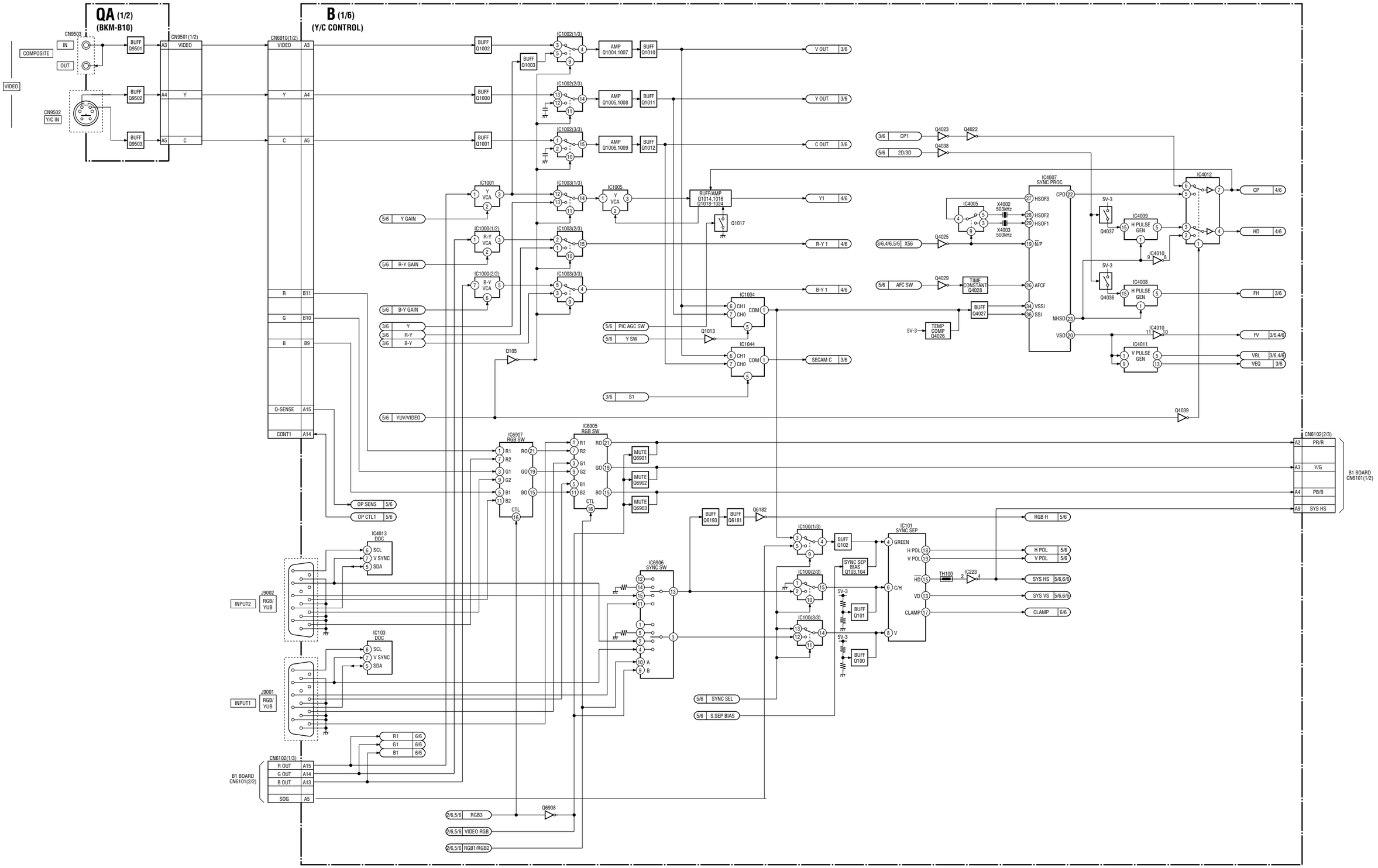
Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-469-969-11	s	CLAMP, FERRITE
1pc	1-469-241-11	s	CORE, FERRITE (RFC-8 BK)
1pc	1-543-982-11	s	COIL, FERRITE

5-4. Supplied Accessories

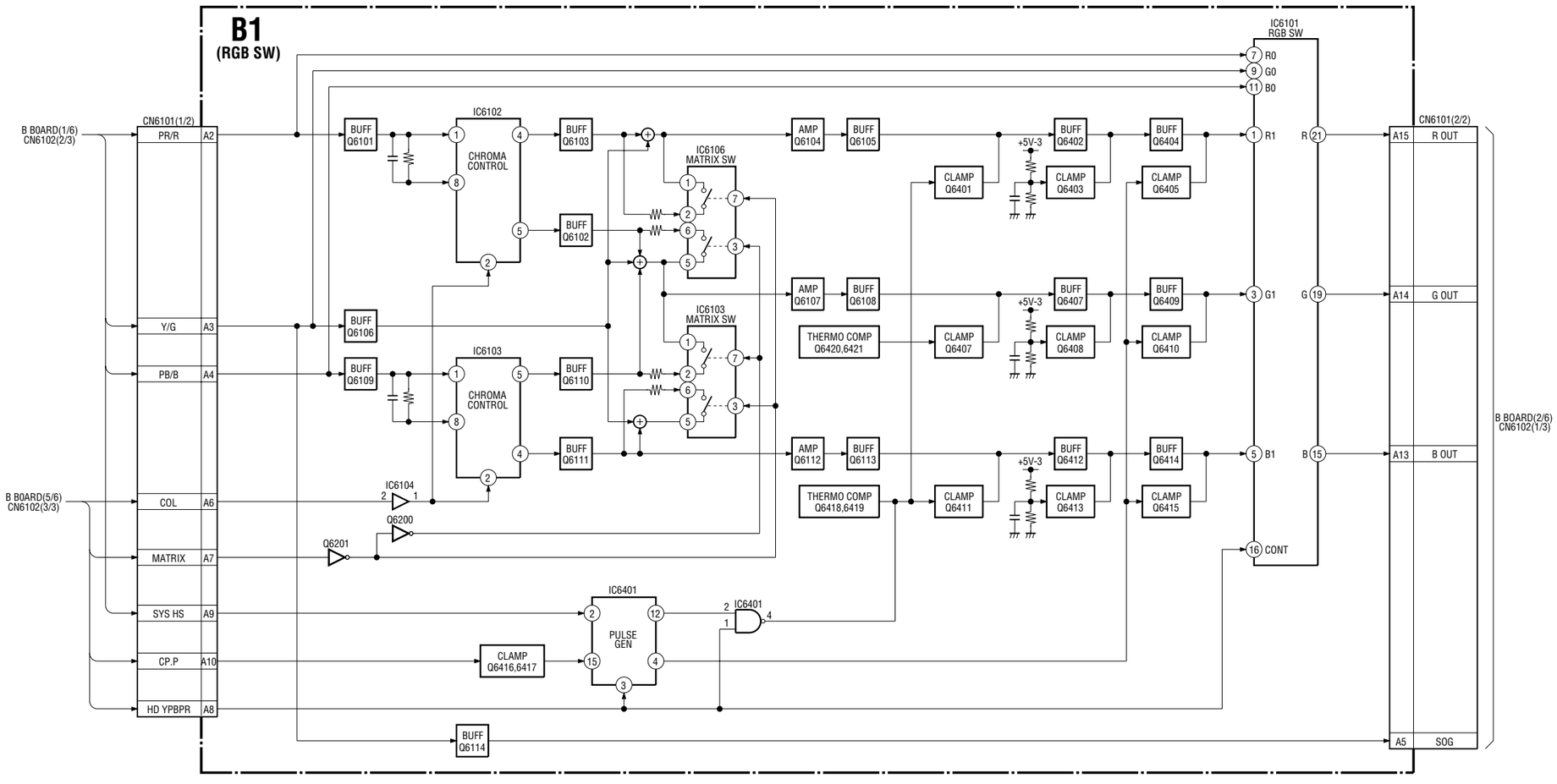
ACCESSORIES

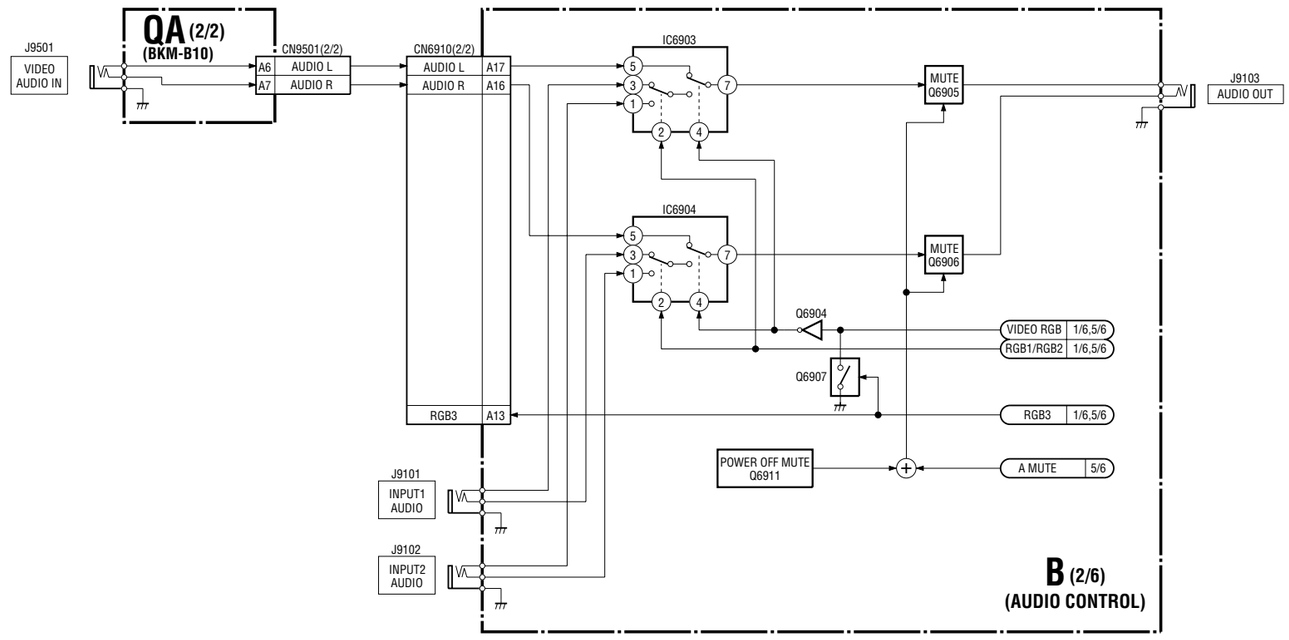
Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-476-545-11	s	REMOTE COMMANDER (RM-42B)
1pc	9-900-029-01	s	BATTERY COVER (RM-42B)
1pc	⚠	s	CORD, POWER (See page 1-12.)

Section 6
Block Diagrams

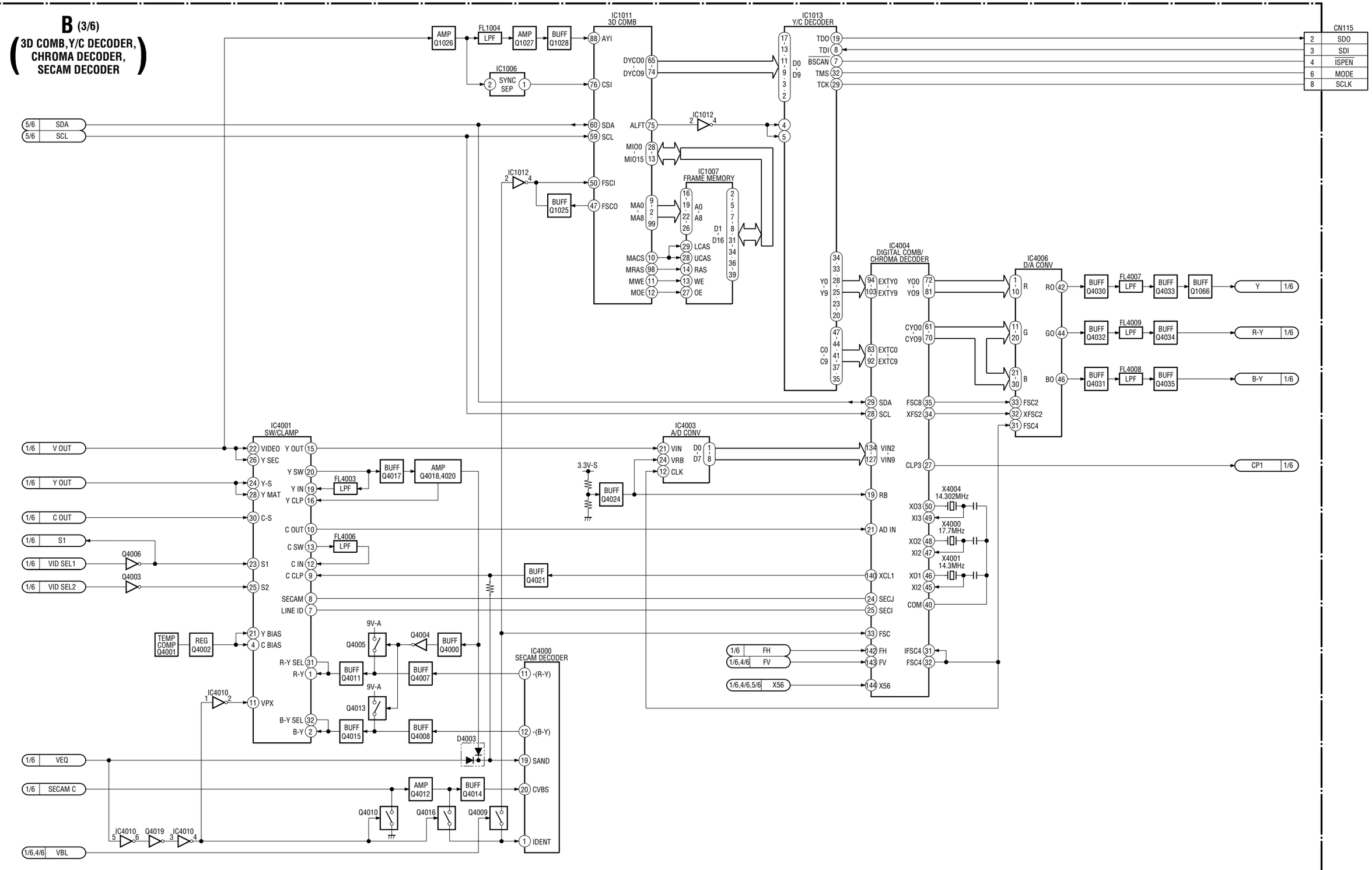


B (2/6), QA (2/2), B1

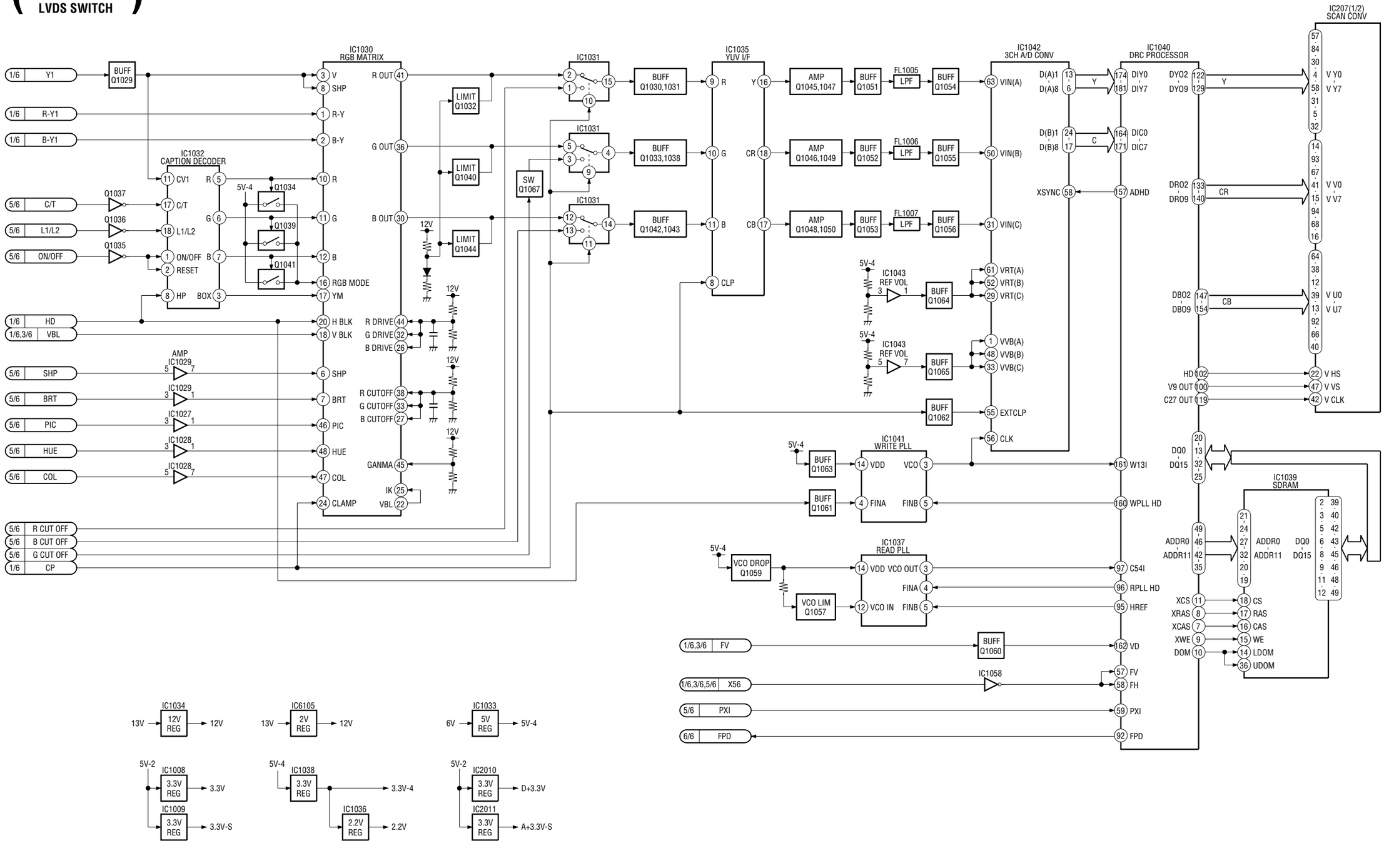

B1
(RGB SW)
IC6101
RGB SW
7 R0
9 G0
11 B0
B BOARD(1/6)
CN6102(2/3)
CN6101(1/2)
PR/R A2
Y/G A3
PB/B A4
B BOARD(5/6)
CN6102(3/3)
COL A6
MATRIX A7
SYS HS A9
CP.P A10
HD YPBPR A8
BUFF Q6101
BUFF Q6106
BUFF Q6109
IC6102
CHROMA CONTROL
IC6103
CHROMA CONTROL
BUFF Q6103
BUFF Q6102
BUFF Q6110
BUFF Q6111
IC6106
MATRIX SW
IC6103
MATRIX SW
IC6104
Q6200
Q6201
IC6401
PULSE GEN
CLAMP Q6416,6417
IC6401
BUFF Q6114
AMP Q6104
AMP Q6107
AMP Q6112
BUFF Q6105
BUFF Q6108
BUFF Q6113
THERMO COMP Q6420,6421
THERMO COMP Q6418,6419
CLAMP Q6401
CLAMP Q6407
CLAMP Q6411
+5V-3
BUFF Q6402
BUFF Q6407
BUFF Q6412
CLAMP Q6403
CLAMP Q6408
CLAMP Q6413
BUFF Q6404
BUFF Q6409
BUFF Q6414
CLAMP Q6405
CLAMP Q6410
CLAMP Q6415
1 R1
3 G1
5 B1
16 CONT
R 21
G 19
B 15
CN6101(2/2)
A15 R OUT
A14 G OUT
A13 B OUT
A5 SOG
B BOARD(2/6)
CN6102(1/3)


QA (2/2)
(BKM-B10)
J9501
VIDEO AUDIO IN
CN9501(2/2)
A6 AUDIO L
A7 AUDIO R
CN6910(2/2)
AUDIO L A17
AUDIO R A16
RGB3 A13
IC6903
IC6904
MUTE Q6905
MUTE Q6906
J9103
AUDIO OUT
Q6904
Q6907
VIDEO RGB 1/6,5/6
RGB1/RGB2 1/6,5/6
RGB3 1/6,5/6
POWER OFF MUTE Q6911
A MUTE 5/6
J9101
INPUT1 AUDIO
J9102
INPUT2 AUDIO
B (2/6)
(AUDIO CONTROL)

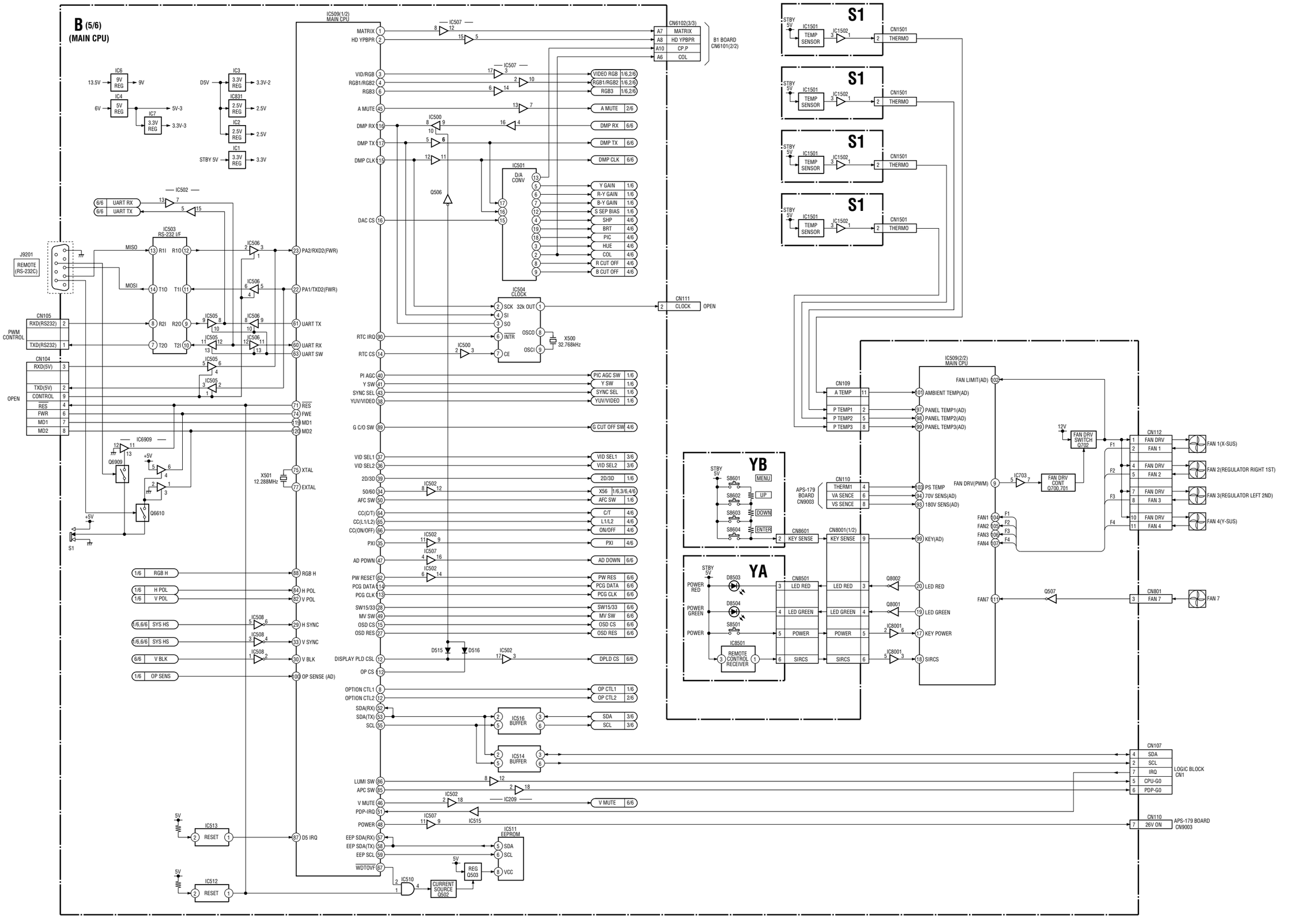
B (3/6)
(3D COMB, Y/C DECODER, CHROMA DECODER, SECAM DECODER)

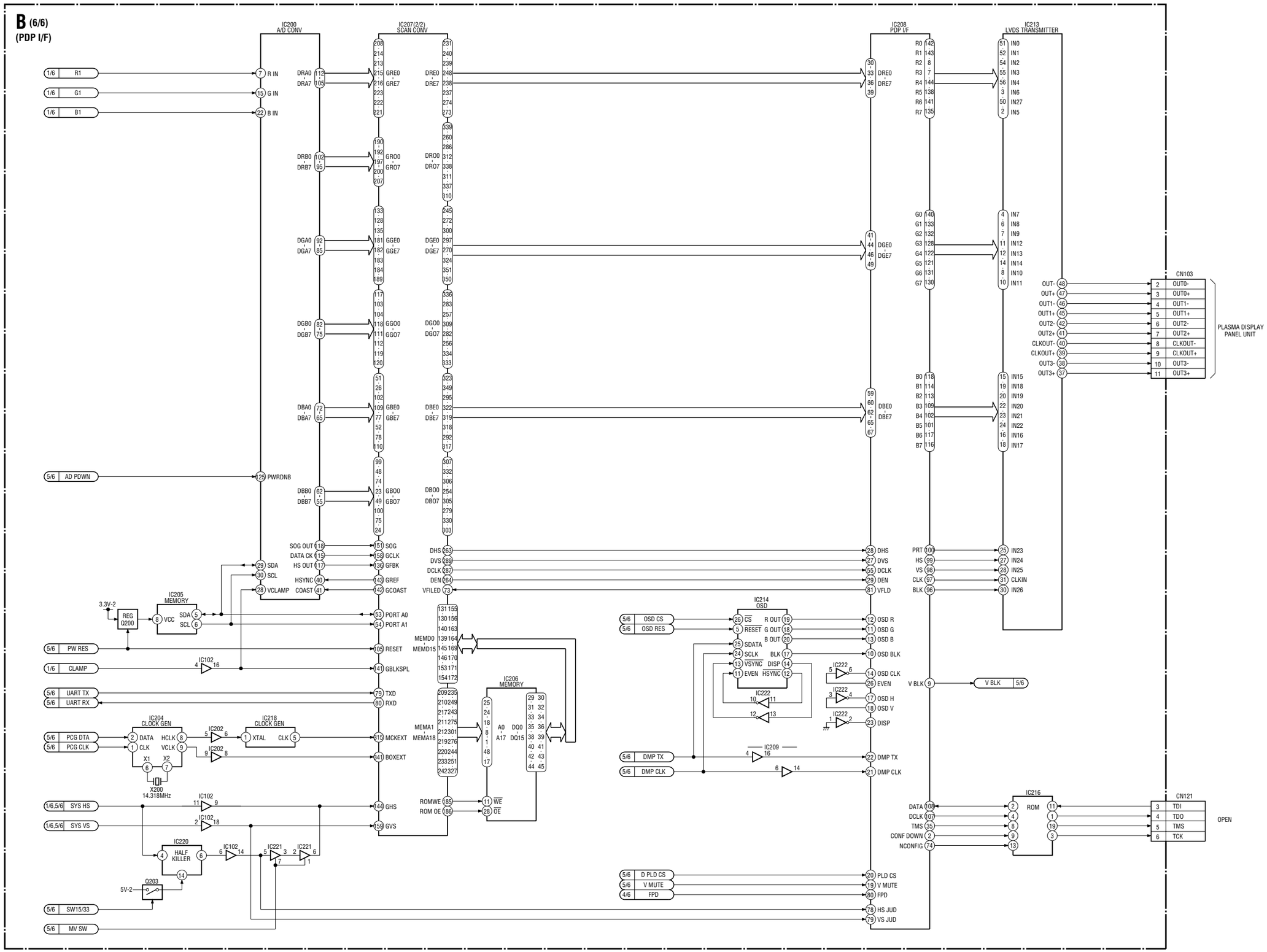


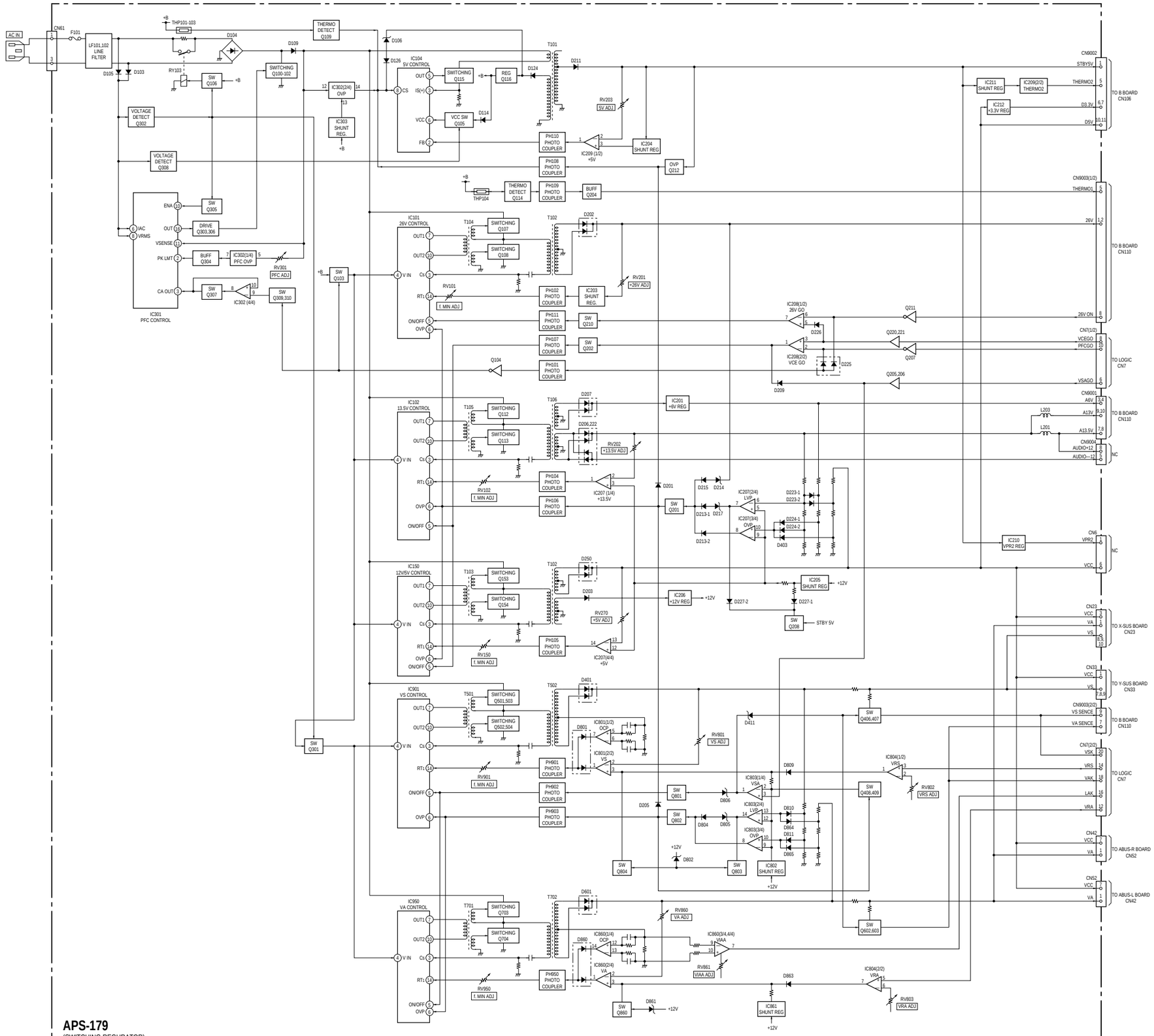
B (4/6)
(RGB MATRIX/ DRC PROCESSOR/ LVDS SWITCH)



B (5/6), S1, YA, YB


B (5/6)
(MAIN CPU)
IC509(1/2) MAIN CPU
IC6 9V REG
IC4 5V REG
IC7 3.3V REG
IC3 3.3V REG
IC831 2.5V REG
IC2 2.5V REG
IC1 3.3V REG
IC502
IC503 RS-232 I/F
IC504 CLOCK
IC505
IC506
IC507
IC508
IC509
IC510
IC511 EEPROM
IC512
IC513
IC514 BUFFER
IC515
IC516 BUFFER
IC6909
J9201 REMOTE (RS-232C)
CN105
CN104
CN111
CN6102(3/3)
B1 BOARD CN6101(2/2)
PWM CONTROL
OPEN
Q506
Q6909
Q6610
X500 32.768kHz
X501 12.288MHz
D515
D516
CURRENT SOURCE Q502
REG Q503
S1
MATRIX
HD YPBPR
VID/RGB
RGB1/RGB2
RGB3
A MUTE
DMP RX
DMP TX
DMP CLK
DAC CS
RTC IRQ
RTC CS
PI AGC
Y SW
SYNC SEL
YUV/VIDEO
G C/O SW
VID SEL1
VID SEL2
2D/3D
50/60
AFC SW
CC(C/T)
CC(L1/L2)
CC(ON/OFF)
PXI
AD PDWN
PW RESET
PCG DATA
PCG CLK
SW15/33
MV SW
OSD CS
OSD RES
DISPLAY PLD CSL
OP CS
OPTION CTL1
OPTION CTL2
SDA(RX)
SDA(TX)
SCL
LUMI SW
APC SW
V MUTE
PDP-IRQ
POWER
EEP SDA(RX)
EEP SDA(TX)
EEP SCL
WDTOVF
UART RX
UART TX
MISO
MOSI
RXD(RS232)
TXD(RS232)
RXD(5V)
TXD(5V)
CONTROL
RES
FWR
MD1
MD2
RGB H
H POL
V POL
SYS HS
V BLK
OP SENSE (AD)
H SYNC
V SYNC
XTAL
EXTAL
D5 IRQ
PA2/RXD2(FWR)
PA1/TXD2(FWR)
UART TX
UART RX
UART SW
FWE
MD1
MD2
VIDEO RGB
RGB1/RGB2
RGB3
A MUTE
DMP RX
DMP TX
DMP CLK
Y GAIN
R-Y GAIN
B-Y GAIN
S SEP BIAS
SHP
BRT
PIC
HUE
COL
R CUT OFF
B CUT OFF
PIC AGC SW
Y SW
SYNC SEL
YUV/VIDEO
G CUT OFF SW
VID SEL1
VID SEL2
2D/3D
X56
AFC SW
C/T
L1/L2
ON/OFF
PXI
AD DOWN
PW RES
PCG DATA
PCG CLK
SW15/33
MV SW
OSD CS
OSD RES
DPLD CS
OP CTL1
OP CTL2
SDA
SCL
V MUTE
S1
THERMO
TEMP SENSOR
FAN DRV SWITCH Q702
FAN DRV CONT Q700,701
FAN DRV(PWM)
FAN LIMIT(AD)
AMBIENT TEMP(AD)
PANEL TEMP1(AD)
PANEL TEMP2(AD)
PANEL TEMP3(AD)
PS TEMP
70V SENS(AD)
180V SENS(AD)
KEY(AD)
LED RED
LED GREEN
KEY POWER
SIRCS
FAN 1(X-SUS)
FAN 2(REGULATOR RIGHT 1ST)
FAN 3(REGULATOR LEFT 2ND)
FAN 4(Y-SUS)
FAN 7
LOGIC BLOCK CN1
APS-179 BOARD CN9003
YB
YA
MENU
UP
DOWN
ENTER
REMOTE CONTROL RECEIVER


B (6/6)
(PDP I/F)
IC200
A/D CONV
IC207(2/2)
SCAN CONV
IC208
PDP I/F
IC213
LVDS TRANSMITTER
R IN
G IN
B IN
PWRDNB
SDA
SCL
VCLAMP
SOG
GCLK
GFBK
GREF
GCOAST
PORT A0
PORT A1
RESET
GBLKSPL
TXD
RXD
MCKEXT
BOXEXT
GHS
GVS
IC205
MEMORY
IC206
MEMORY
IC204
CLOCK GEN
IC218
CLOCK GEN
X200
14.318MHz
IC220
HALF
KILLER
Q203
Q200
IC102
IC202
IC221
IC214
OSD
IC222
IC209
IC216
ROM
CN103
PLASMA DISPLAY
PANEL UNIT
CN121
OPEN
DHS
DVS
DCLK
DEN
VFLD
OSD R
OSD G
OSD B
OSD BLK
OSD CLK
EVEN
OSD H
OSD V
DISP
DMP TX
DMP CLK
PLD CS
V MUTE
FPD
HS JUD
VS JUD
V BLK
CLKIN
OUT0-
OUT0+
OUT1-
OUT1+
OUT2-
OUT2+
CLKOUT-
CLKOUT+
OUT3-
OUT3+
TDI
TDO
TMS
TCK



APS-179
(SWITCHING REGURATOR)

Section 7
Diagrams

Note:

- Parts marked " * " differ according to the model/destination. Refer to the mount table for each function.
- The parts marked " # " on schematic diagrams are not mounted.
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics.
- All electrolytics are in 50 V unless otherwise specified.
- : fusible resistor
- : nonflammable resistor
- Δ : internal component
- : panel designation and adjustment for repair
- Caution when replacing chip parts
  New parts must be attached after removal of the chip.
  Be careful not to heat the minus side of a tantalum capacitor, because it is easily damaged by the heat.

Reference information

RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NONFLAMMABLE CARBON
	FUSE	: NONFLAMMABLE FUSIBLE
	RS	: NONFLAMMABLE METAL OXIDE
	RB	: NONFLAMMABLE CEMENT
	RW	: NONFLAMMABLE WIREWOUND
	※	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

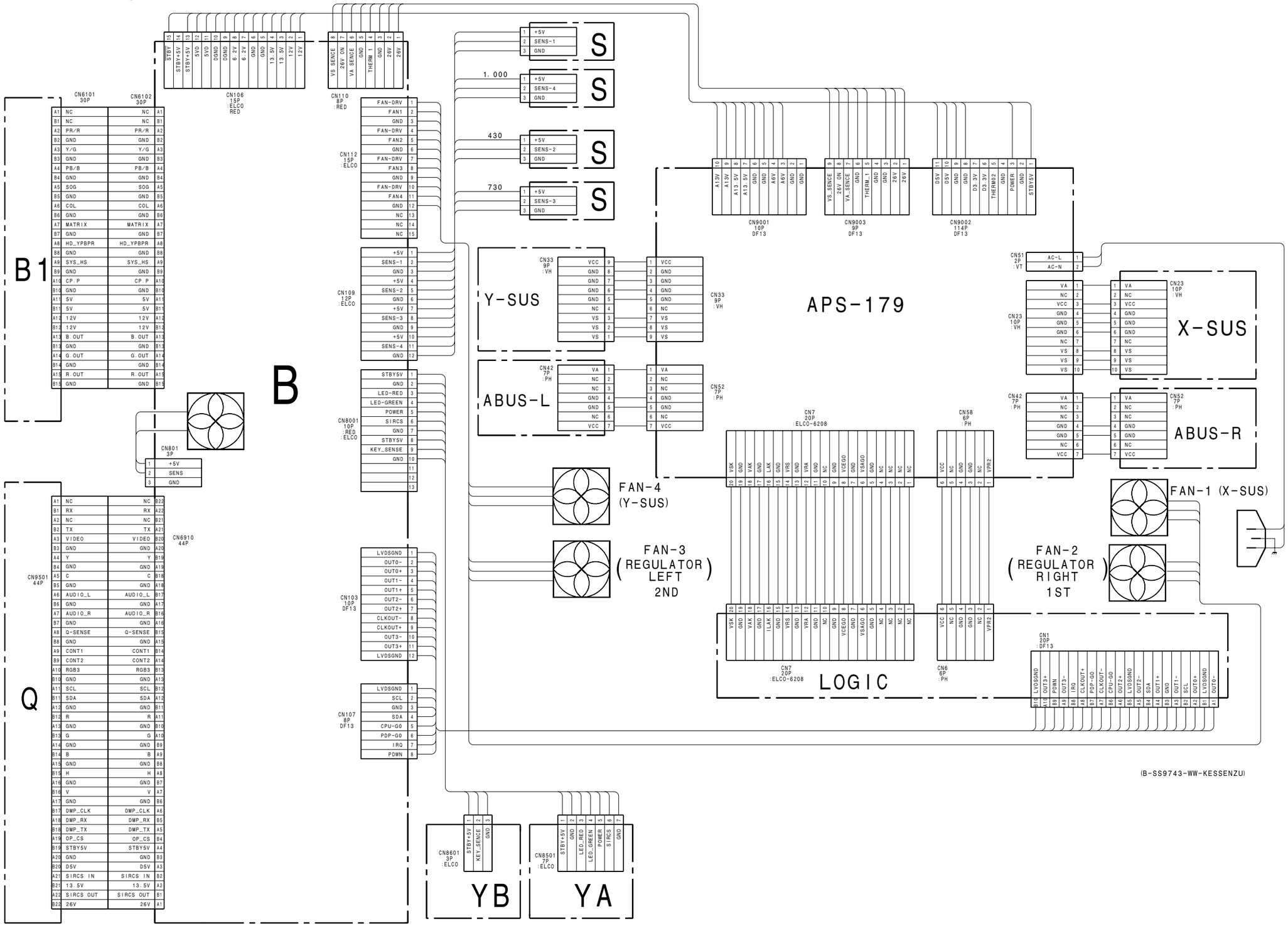
[Measuring conditions, voltage and waveform]

- A voltage value is the reference value between the measurement point and the earth, when the NTSC color bar signal, RGB color bar signal and YUV signal are received from the color bar generator (digital multi-meter used: 10 M ohms/V DC).
- Unit of voltage is V (volt).
- : B+line
- : B– line
- Voltage variations may occur due to normal production tolerances.
- No mark : RGB color bar signal.
- Circled numbers indicate the reference waveform.
- : Signal path.

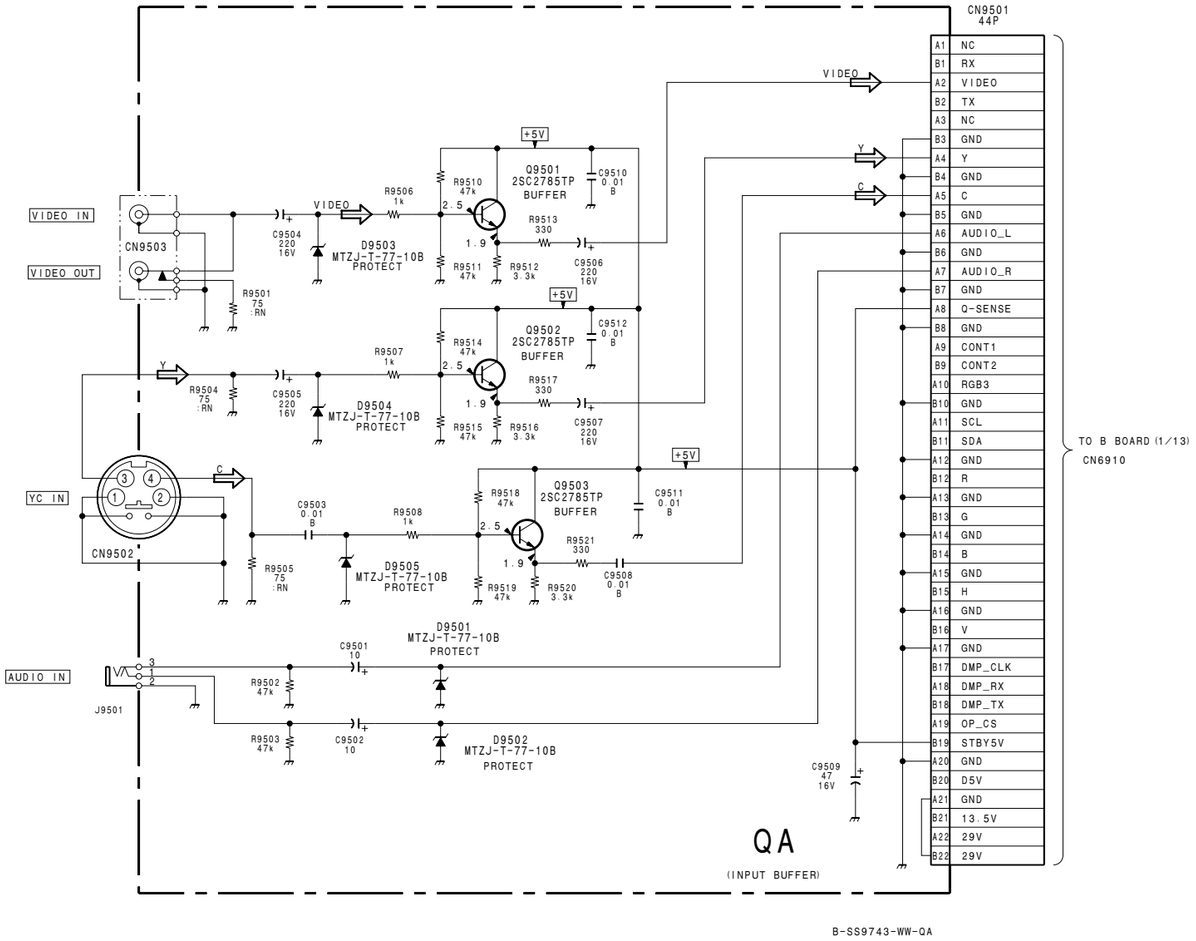
The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

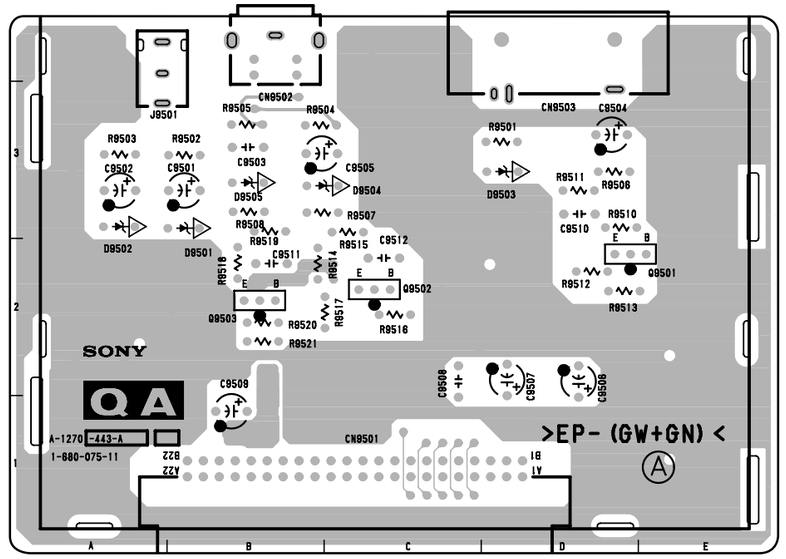
Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. Frame Schematic Diagram



7-2. Schematic Diagrams and Printed Wiring Boards

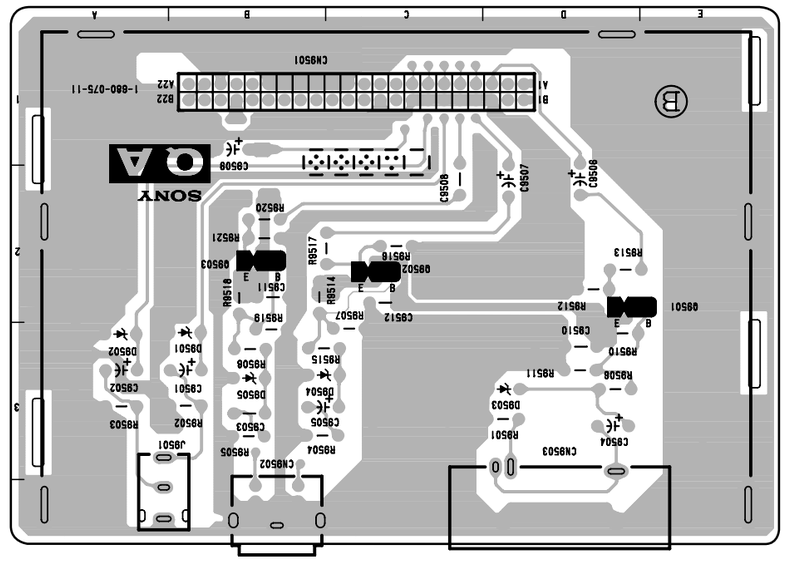




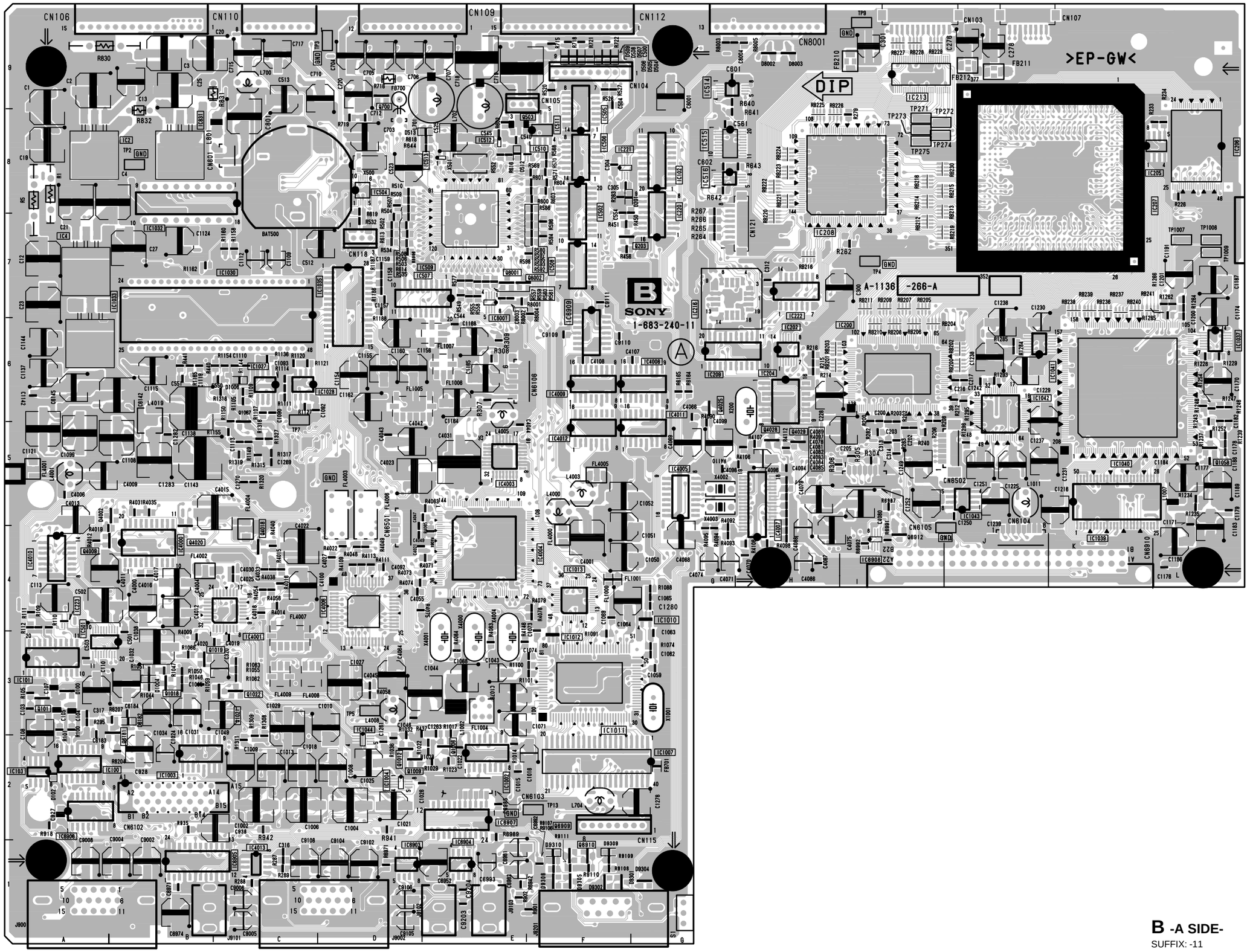
QA -A SIDE-
SUFFIX: -11

QA BOARD

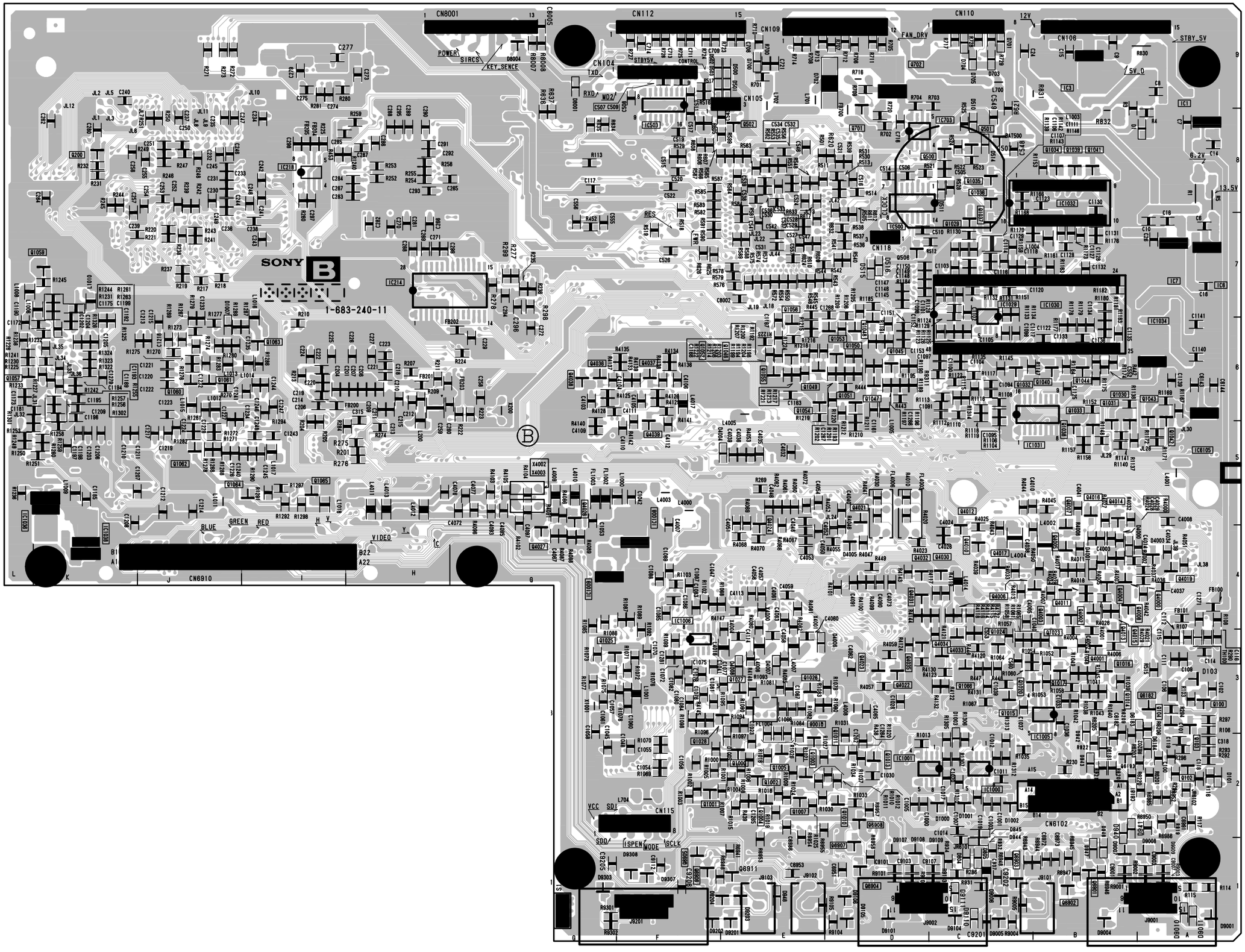
D9501	B-3
D9502	A-3
D9503	D-3
D9504	C-3
D9505	B-3
Q9501	E-2
Q9502	C-2
Q9503	B-2



QA -B SIDE-
SUFFIX: -11



B -A SIDE-
SUFFIX: -11

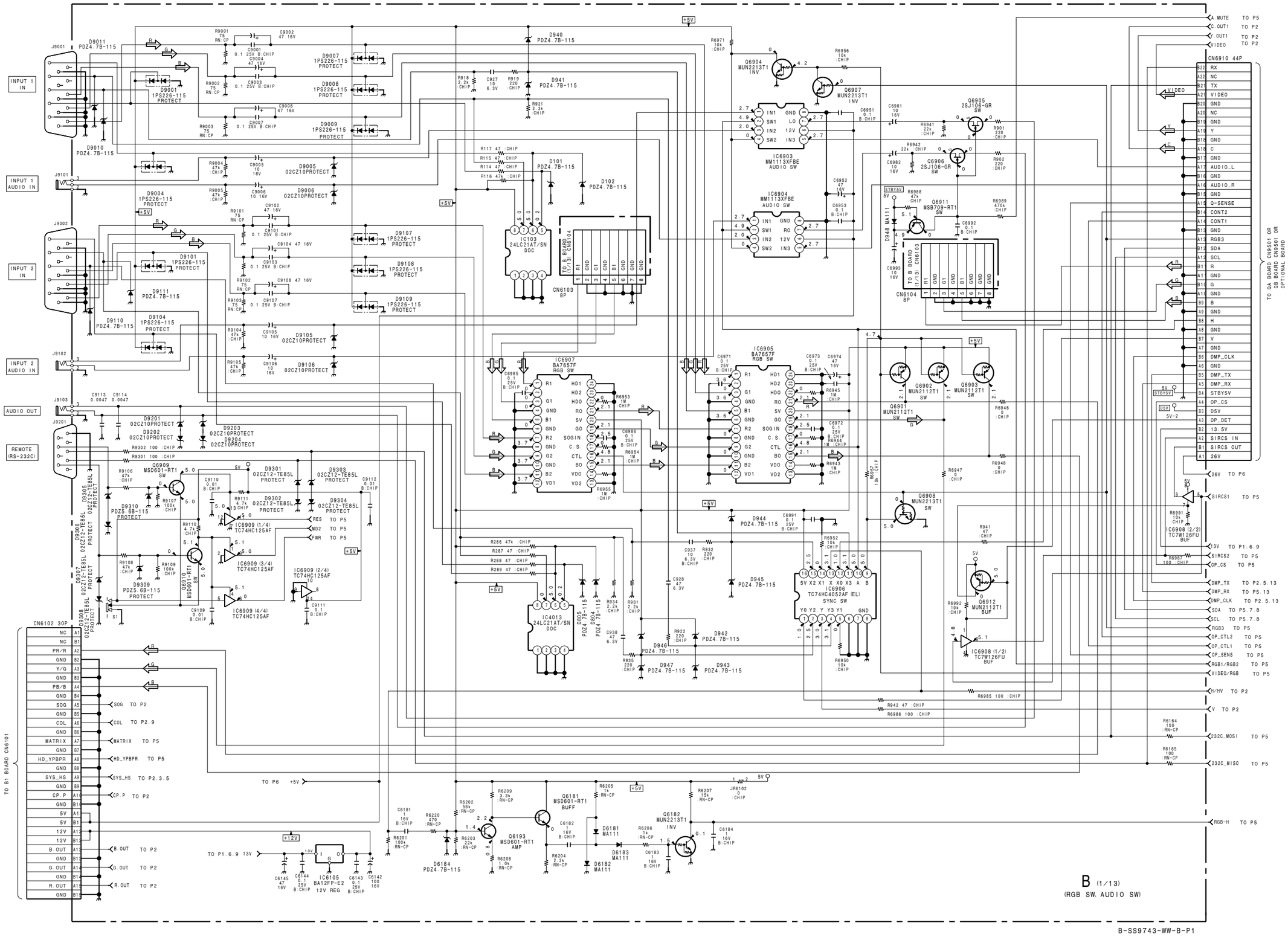


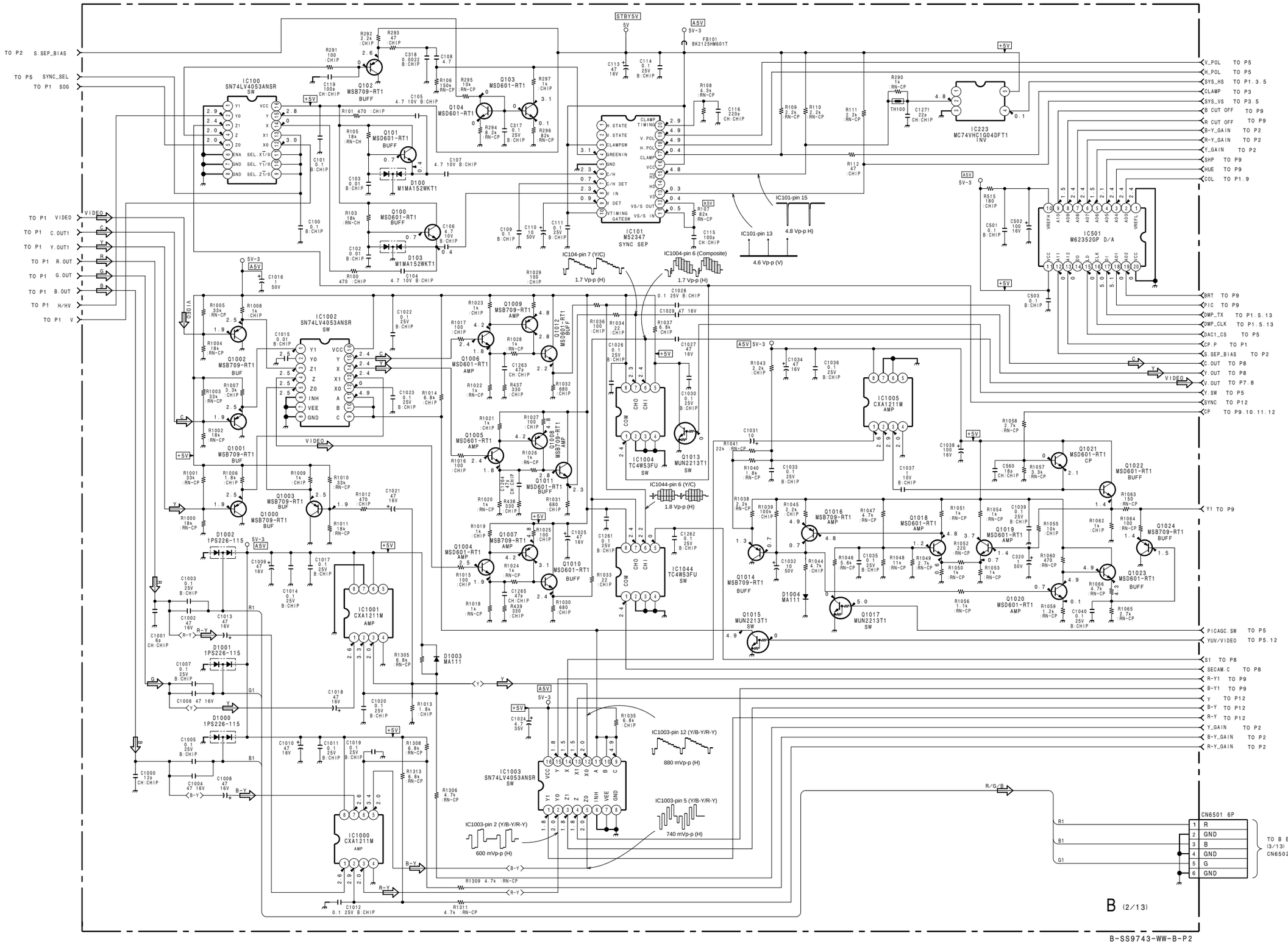
B -B SIDE-
SUFFIX: -11

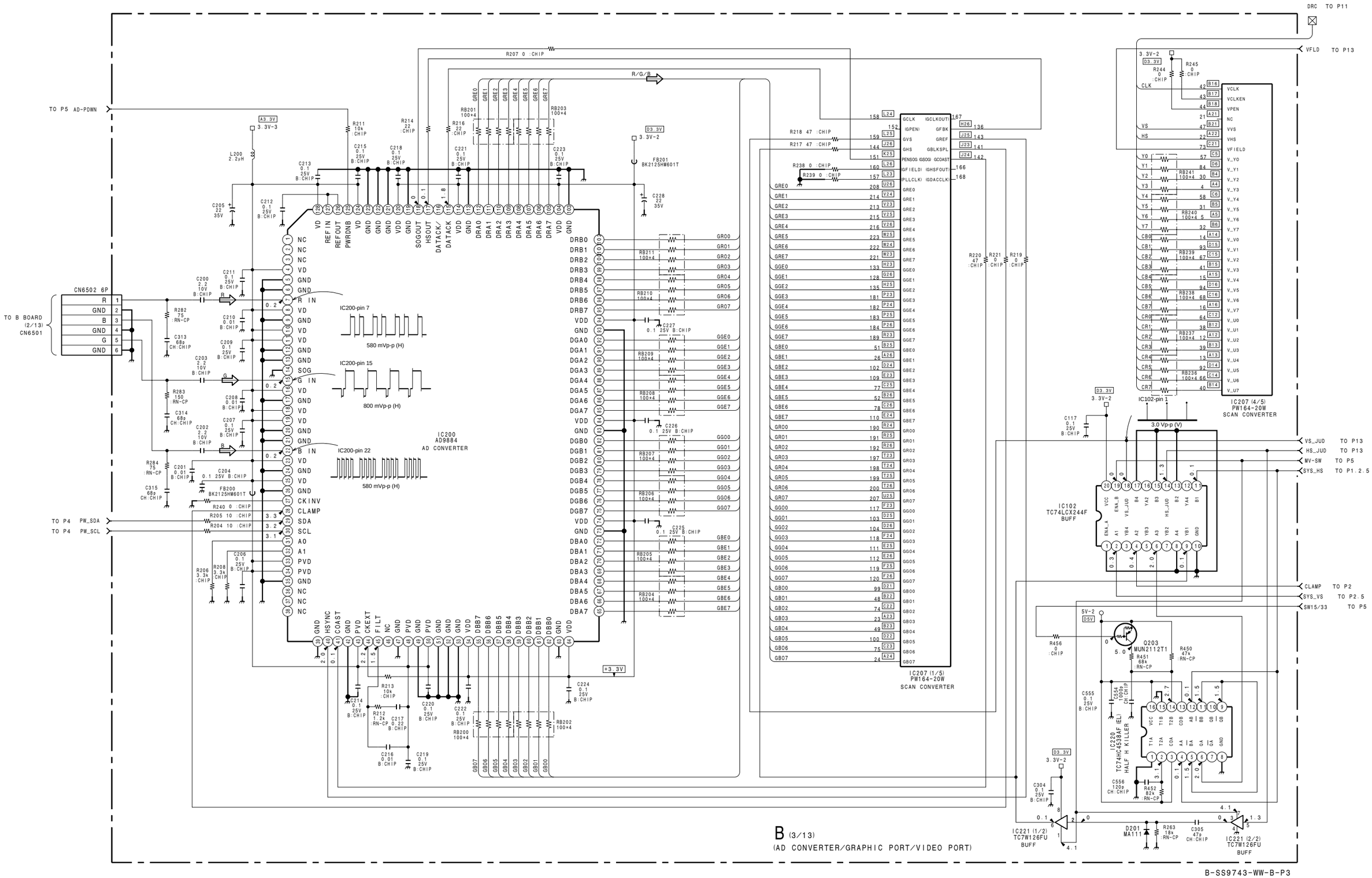
B BOARD

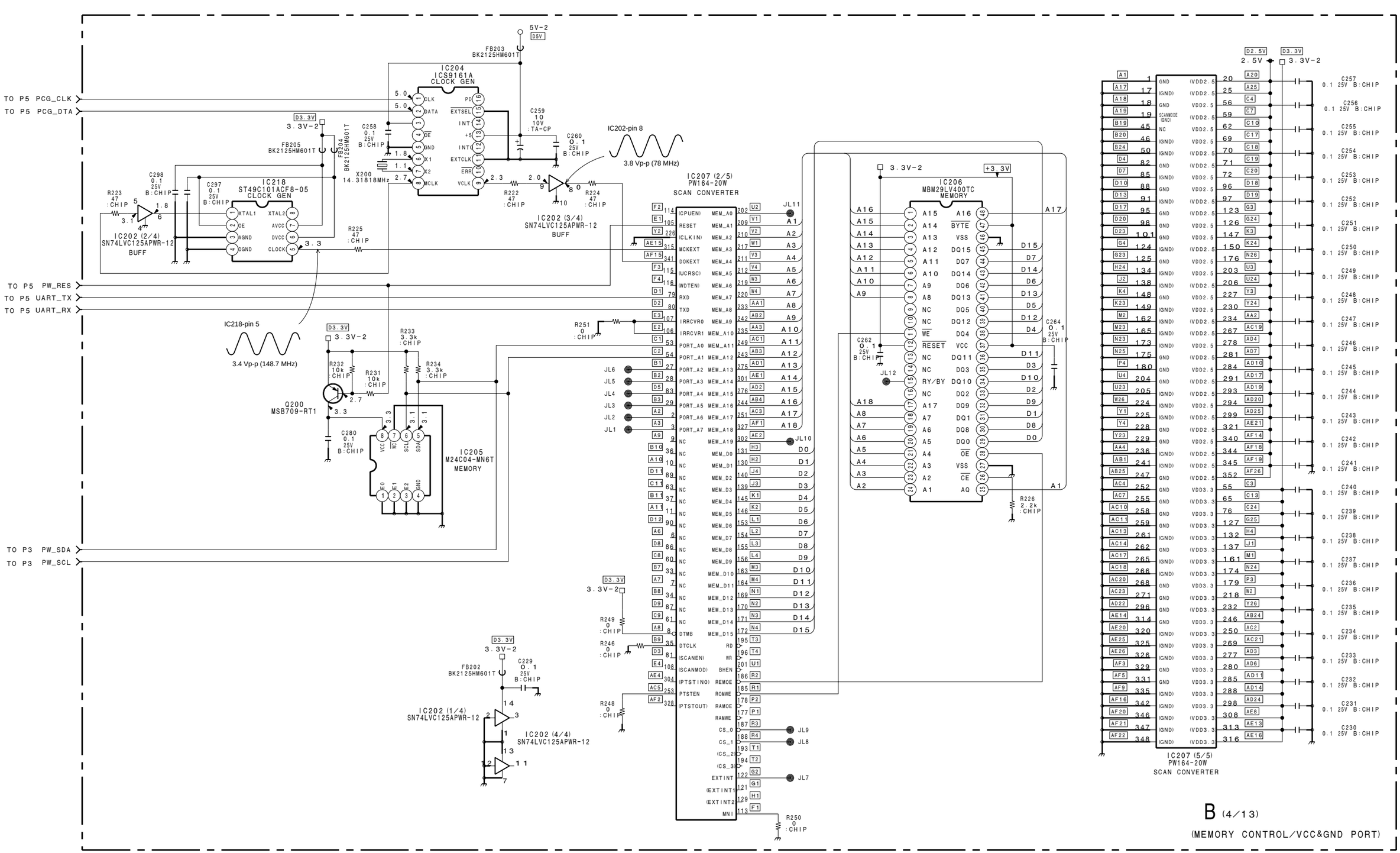
*:B SIDE

D1	*A-8	D9306	F-1	IC4011	G-6	Q1064	*J-5
D100	A-3	D9307	*F-1	IC4012	F-5	Q1065	*I-5
D101	*A-2	D9308	*F-1	IC4013	C-1	Q1066	*C-3
D102	A-2	D9309	F-1	IC6105	*A-5	Q1067	C-6
D103	*A-3	D9310	F-2	IC6903	D-1	Q4000	*A-4
D201	F-8			IC6904	E-1	Q4001	*B-3
D500	*E-9	IC1	*A-8	IC6905	B-1	Q4002	*B-4
D501	*E-9	IC2	A-8	IC6906	A-2	Q4003	*B-4
D502	*F-9	IC3	*B-9	IC6907	E-2	Q4004	*B-4
D503	*F-9	IC4	A-7	IC6908	I-4	Q4005	*B-4
D504	F-9	IC6	*A-7	IC6909	F-6	Q4006	*C-4
D505	F-9	IC7	*A-7	IC8001	E-7	Q4007	*B-5
D506	F-9	IC100	A-2			Q4008	*A-4
D507	F-9	IC101	A-3	Q100	*A-3	Q4009	A-4
D508	F-9	IC102	G-8	Q101	A-3	Q4010	*C-4
D509	F-9	IC103	A-2	Q102	*A-2	Q4011	*B-4
D510	*C-8	IC200	I-6	Q103	*A-2	Q4012	*C-5
D511	*C-8	IC202	H-6	Q104	*A-3	Q4013	*B-3
D512	E-8	IC204	H-6	Q200	*K-8	Q4014	*B-5
D513	D-8	IC205	L-8	Q203	G-7	Q4015	*B-4
D514	*C-8	IC206	L-8	Q500	*D-8	Q4016	*B-5
D515	*D-7	IC207	L-7	Q501	*E-8	Q4017	*C-4
D516	*D-7	IC208	H-7	Q502	*C-8	Q4018	C-5
D700	*E-9	IC209	G-6	Q503	F-8	Q4019	*A-4
D701	*C-9	IC213	I-9	Q506	*D-7	Q4020	B-4
D702	*E-9	IC214	*H-7	Q507	*C-8	Q4021	*D-5
D703	*C-9	IC216	G-7	Q700	D-9	Q4022	*D-3
D704	*C-9	IC218	*I-8	Q701	*D-8	Q4023	*D-3
D705	*C-9	IC220	G-7	Q702	*D-9	Q4024	*E-5
D804	*C-1	IC221	F-8	Q1000	*E-2	Q4025	G-6
D805	*C-1	IC222	H-7	Q1001	*F-2	Q4026	*G-5
D940	*B-2	IC223	A-4	Q1002	*E-2	Q4027	*G-5
D941	*B-2	IC500	*D-7	Q1003	*E-2	Q4028	H-5
D942	*B-2	IC501	A-4	Q1004	*E-2	Q4029	H-5
D943	*B-2	IC502	F-7	Q1005	*E-2	Q4030	*C-4
D944	*C-1	IC503	*F-8	Q1006	E-2	Q4031	*D-4
D945	*C-1	IC504	D-8	Q1007	*E-2	Q4032	*D-4
D946	*B-1	IC505	F-8	Q1008	*E-2	Q4033	*C-3
D947	*B-1	IC506	F-8	Q1009	D-2	Q4034	*C-3
D948	*E-1	IC507	E-7	Q1010	*D-2	Q4035	*D-3
D1000	*C-2	IC508	F-7	Q1011	*D-2	Q4036	*G-6
D1001	*C-2	IC509	E-7	Q1012	D-2	Q4037	*F-6
D1002	*C-2	IC510	F-8	Q1013	*D-2	Q4038	*G-6
D1003	*C-2	IC511	F-8	Q1014	*B-3	Q4039	*F-6
D1004	B-3	IC512	E-8	Q1015	*C-3	Q6181	B-4
D1005	*E-9	IC513	E-8	Q1016	*B-3	Q6182	*A-3
D1006	C-6	IC514	G-9	Q1017	*B-3	Q6193	*B-2
D1007	*J-6	IC515	G-8	Q1018	B-3	Q6901	*B-1
D4000	*B-4	IC516	G-8	Q1019	B-3	Q6902	*B-1
D4001	*B-4	IC703	*C-8	Q1020	*C-3	Q6903	*C-1
D4002	A-5	IC831	B-8	Q1021	C-3	Q6904	*D-1
D4003	*A-4	IC1000	*C-2	Q1022	C-3	Q6905	*F-1
D4004	*F-5	IC1001	*D-2	Q1023	*B-3	Q6906	*F-1
D4005	*D-4	IC1002	E-2	Q1024	*C-3	Q6907	*D-1
D4006	*E-3	IC1003	B-2	Q1025	*G-3	Q6908	*D-2
D4007	*E-3	IC1004	D-2	Q1026	*E-3	Q6909	F-2
D4008	*E-3	IC1005	*B-2	Q1027	*E-3	Q6910	F-1
		IC1006	*F-4	Q1028	*F-2	Q6911	*E-1
D6181	*B-2	IC1007	F-2	Q1029	*C-7	Q6912	I-4
D6182	B-3	IC1008	*F-5	Q1030	*B-6	Q8001	E-7
D6183	*B-3	IC1009	*G-4	Q1031	*B-6	Q8002	F-7
D6184	*A-2	IC1010	G-4	Q1032	*C-6		
D8001	*G-9	IC1011	F-2	Q1033	*B-6	TP2	B-8
D8002	H-9	IC1012	F-3	Q1034	*B-8	TP3	D-9
D8003	H-9	IC1013	F-4	Q1035	*C-8	TP4	I-7
D8004	*G-9	IC1027	C-6	Q1036	*C-8	TP5	D-3
D9001	*A-1	IC1028	C-6	Q1037	*C-8	TP7	C-6
D9004	*B-1	IC1029	*C-7	Q1038	*B-5	TP9	I-9
D9005	*C-1	IC1030	C-7	Q1039	*B-8	TP13	F-2
D9006	*C-1	IC1031	*B-5	Q1040	*B-6	TP15	I-5
D9007	*B-1	IC1032	B-7	Q1041	*B-8	TP271	I-8
D9008	*A-1	IC1033	A-6	Q1042	*A-5	TP272	J-8
D9009	*A-1	IC1034	*A-6	Q1043	*A-6	TP273	I-8
D9010	*A-1	IC1035	C-7	Q1044	*B-6	TP274	J-8
D9011	*A-1	IC1036	*K-5	Q1045	*D-6	TP275	I-8
D9101	*D-1	IC1037	L-6	Q1046	*E-6	TP1007	L-7
D9104	*C-1	IC1038	*K-6	Q1047	*D-6	TP1008	L-7
D9105	*D-1	IC1039	K-4	Q1048	*D-6	TP1009	L-7
D9106	*D-1	IC1040	K-3	Q1049	*E-6		
D9107	*D-1	IC1041	K-6	Q1050	*D-6		
D9108	*D-1	IC1042	J-6	Q1051	*D-6		
D9109	*D-1	IC1043	J-5	Q1052	*E-6		
D9110	*C-1	IC1044	D-3	Q1053	*D-6		
D9111	*C-1	IC4000	B-4	Q1054	*E-6		
D9201	*E-1	IC4001	C-4	Q1055	*E-6		
D9202	*F-1	IC4003	E-5	Q1056	*E-6		
D9203	*E-1	IC4004	E-4	Q1057	*L-6		
D9204	*F-1	IC4005	G-5	Q1058	L-5		
D9301	F-1	IC4006	D-4	Q1059	*K-7		
D9302	F-1	IC4007	H-5	Q1060	*J-6		
D9303	*G-1	IC4008	G-6	Q1061	*J-6		
D9304	G-1	IC4009	F-6	Q1062	*J-5		
D9305	F-1	IC4010	A-4	Q1063	*I-6		

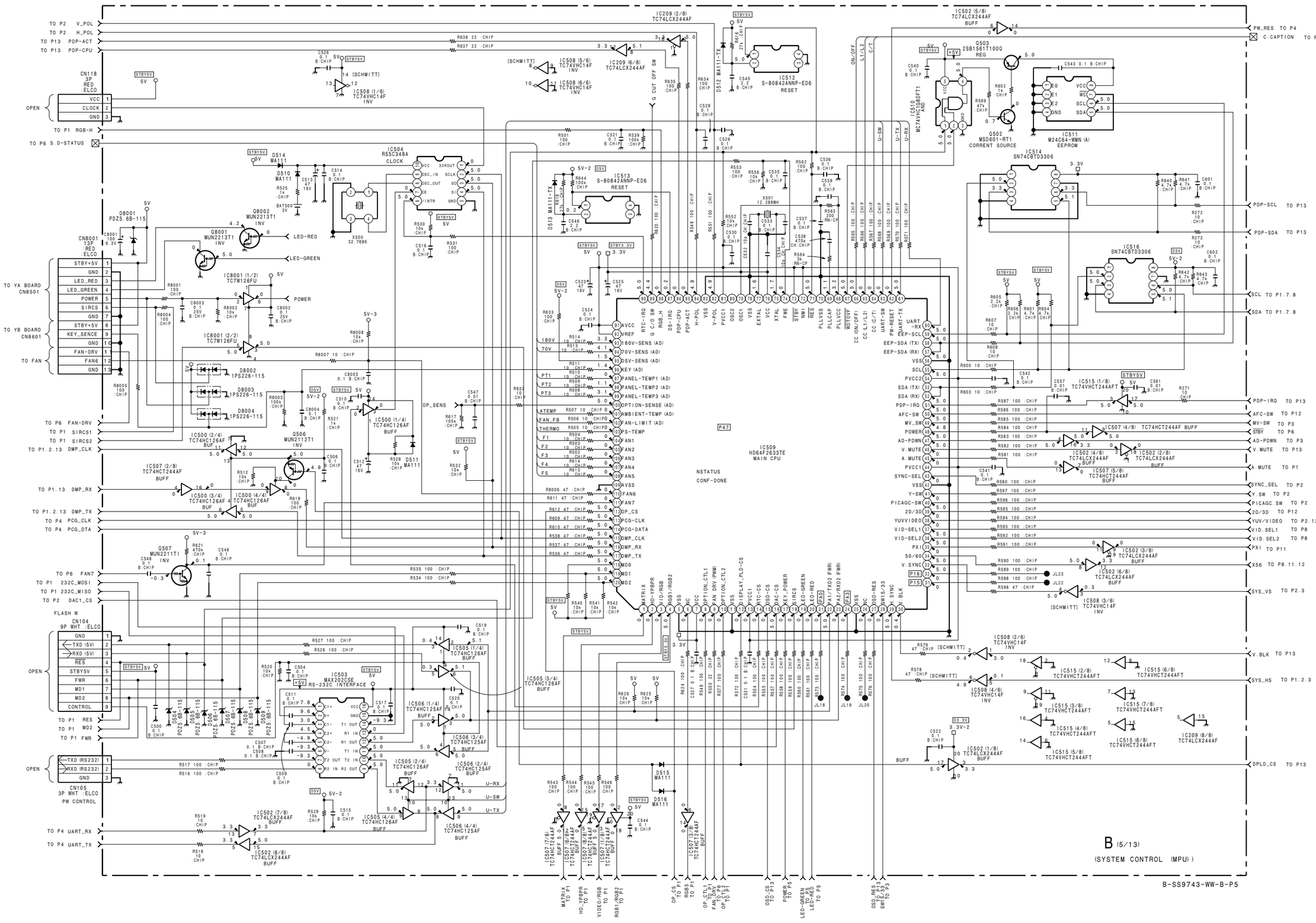

INPUT 1 IN
INPUT 1 AUDIO IN
INPUT 2 IN
INPUT 2 AUDIO IN
AUDIO OUT
REMOTE (RS-232C)
J9001
J9101
J9002
J9102
J9103
J9201
CN6102 30P
TO B1 BOARD CN6101
IC6903 MM1113XFBE AUDIO SW
IC6904 MM1113XFBE AUDIO SW
IC6905 BA7657F RGB SW
IC6907 BA7657F RGB SW
IC6906 TC74HC4052AF (EL) SYNC SW
IC6908 (1/2) TC7W126FU BUF
IC6908 (2/2) TC7W126FU BUF
IC6909 (1/4) TC74HC125AF
IC6909 (3/4) TC74HC125AF
IC6909 (2/4) TC74HC125AF
IC6909 (4/4) TC74HC125AF
IC6105 BA12FP-E2 12V REG
IC1103 24LC21AT/SN DDC
IC4013 24LC21AT/SN DOC
CN6910 44P
TO OA BOARD CN6501 OR OB BOARD CN6501 OR OPTIONAL BOARD
CN6103 8P
CN6104 8P
B (1/13)
(RGB SW. AUDIO SW)
B-SS9743-WW-B-P1

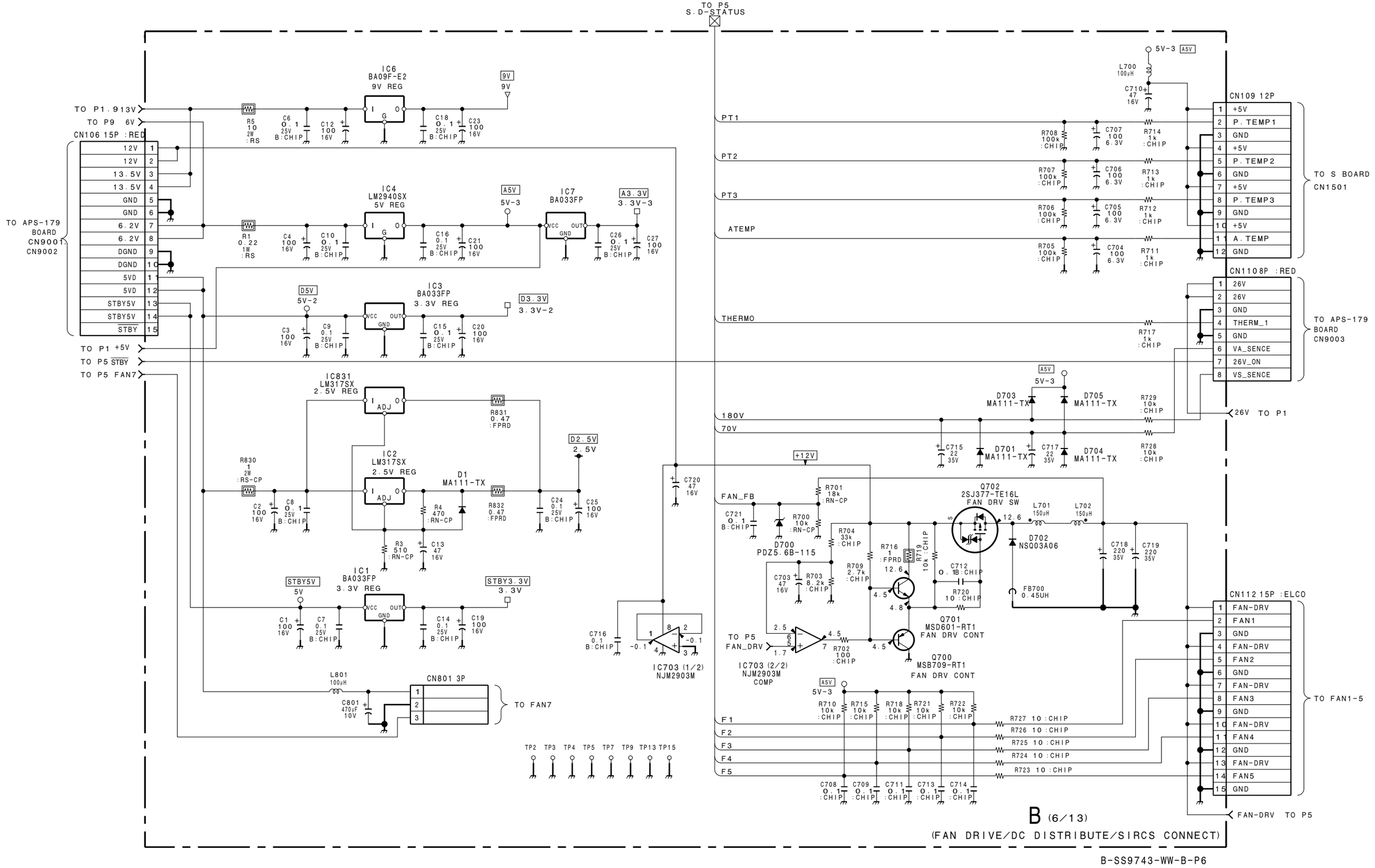

IC100 SN74LV4053ANSR SW
IC1002 SN74LV4053ANSR SW
IC1003 SN74LV4053ANSR SW
IC101 M52347 SYNC SEP
IC501 M62352GP D/A
IC223 MC74VHC1G04DFT1 INV
IC1001 CXA1211M AMP
IC1000 CXA1211M AMP
IC1005 CXA1211M AMP
IC1004 TC4W53FU SW
IC1044 TC4W53FU SW
Q1013 MUN2213T1 SW
Q1015 MUN2213T1 SW
Q1017 MUN2213T1 SW
IC104-pin 7 (Y/C)
1.7 Vp-p (H)
IC1004-pin 6 (Composite)
1.7 Vp-p (H)
IC101-pin 15
IC101-pin 13
4.8 Vp-p (H)
4.6 Vp-p (V)
IC1044-pin 6 (Y/C)
1.8 Vp-p (H)
IC1003-pin 12 (Y/B-Y/R-Y)
880 mVp-p (H)
IC1003-pin 5 (Y/B-Y/R-Y)
740 mVp-p (H)
IC1003-pin 2 (Y/B-Y/R-Y)
600 mVp-p (H)
CN6501 6P
1 R
2 GND
3 B
4 GND
5 G
6 GND
TO B BOARD (3/13) CN6502
B (2/13)
B-SS9743-WW-B-P2

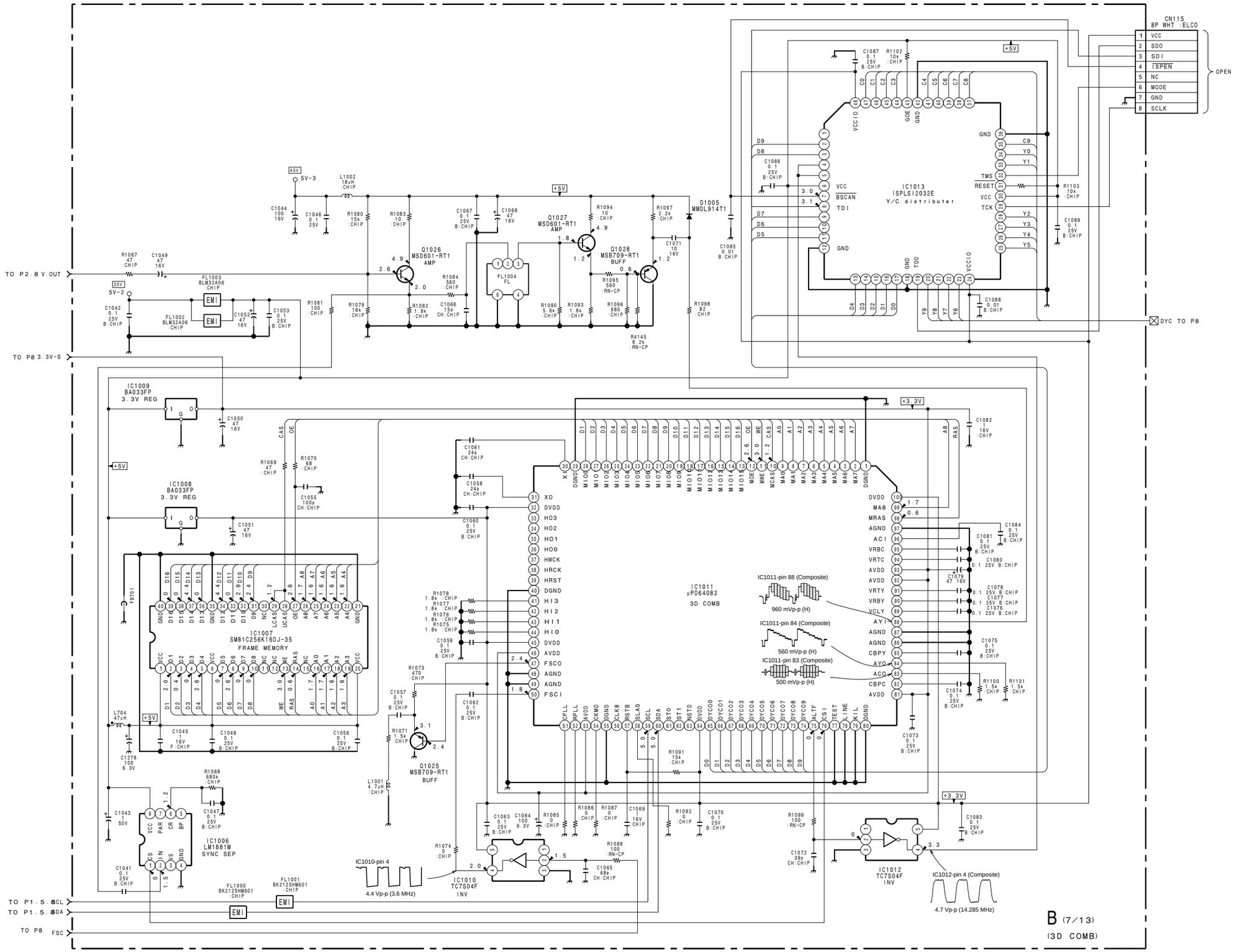

TO P5 AD-PDWN
TO P4 PW_SDA
TO P4 PW_SCL
TO B BOARD (2/13) CN6501
CN6502 6P
R
GND
B
GND
G
GND
R IN
B IN
G IN
SOG
CKINV
CLAMP
SDA
SCL
A0
A1
PVD
PVD
VD
HSYNC
COAST
CKEXT
FILT
IC200-pin 7
580 mVp-p (H)
IC200-pin 15
800 mVp-p (H)
IC200-pin 22
580 mVp-p (H)
IC200
AD9884
AD CONVERTER
R/G/B
DRB0
DRB1
DRB2
DRB3
DRB4
DRB5
DRB6
DRB7
DGA0
DGA1
DGA2
DGA3
DGA4
DGA5
DGA6
DGA7
DGB0
DGB1
DGB2
DGB3
DGB4
DGB5
DGB6
DGB7
DBA0
DBA1
DBA2
DBA3
DBA4
DBA5
DBA6
DBA7
GRE0
GRE1
GRE2
GRE3
GRE4
GRE5
GRE6
GRE7
GGE0
GGE1
GGE2
GGE3
GGE4
GGE5
GGE6
GGE7
GBE0
GBE1
GBE2
GBE3
GBE4
GBE5
GBE6
GBE7
GRO0
GRO1
GRO2
GRO3
GRO4
GRO5
GRO6
GRO7
GGO0
GGO1
GGO2
GGO3
GGO4
GGO5
GGO6
GGO7
GBO0
GBO1
GBO2
GBO3
GBO4
GBO5
GBO6
GBO7
IC207 (1/5)
PW164-20W
SCAN CONVERTER
IC207 (4/5)
PW164-20W
SCAN CONVERTER
IC102
TC74LCX244F
BUFF
IC102-pin 1
3.0 Vp-p (V)
IC220
TC74HC4538AF (EL)
HALF H KILLER
IC221 (1/2)
TC7W126FU
BUFF
IC221 (2/2)
TC7W126FU
BUFF
D201
MA111
Q203
MUN2112T1
DRC TO P11
VFLD TO P13
VS_JUD TO P13
HS_JUD TO P13
MV-SW TO P5
SYS_HS TO P1,2,5
CLAMP TO P2
SYS_VS TO P2.5
SW15/33 TO P5
B (3/13)
(AD CONVERTER/GRAPHIC PORT/VIDEO PORT)
B-SS9743-WW-B-P3

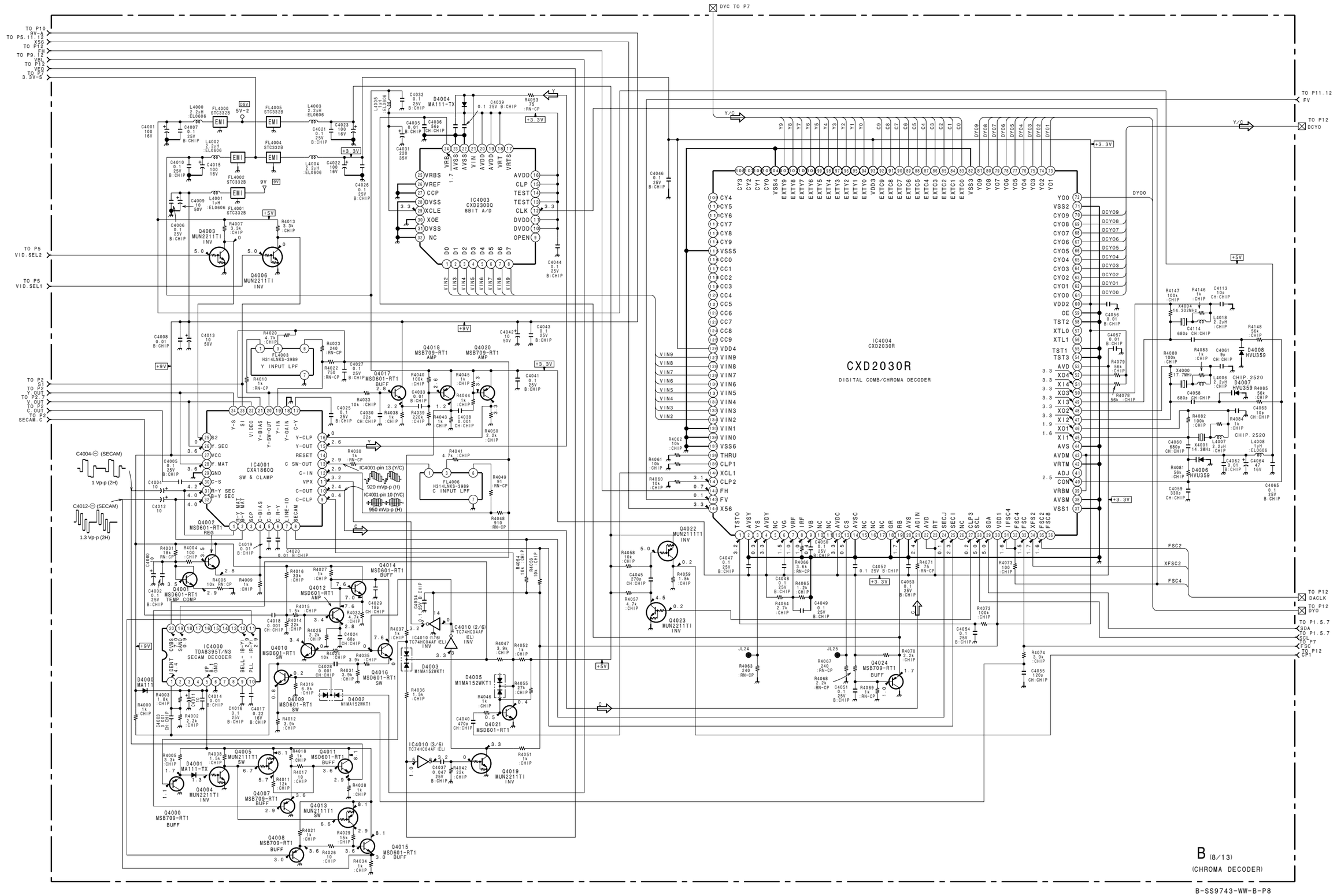


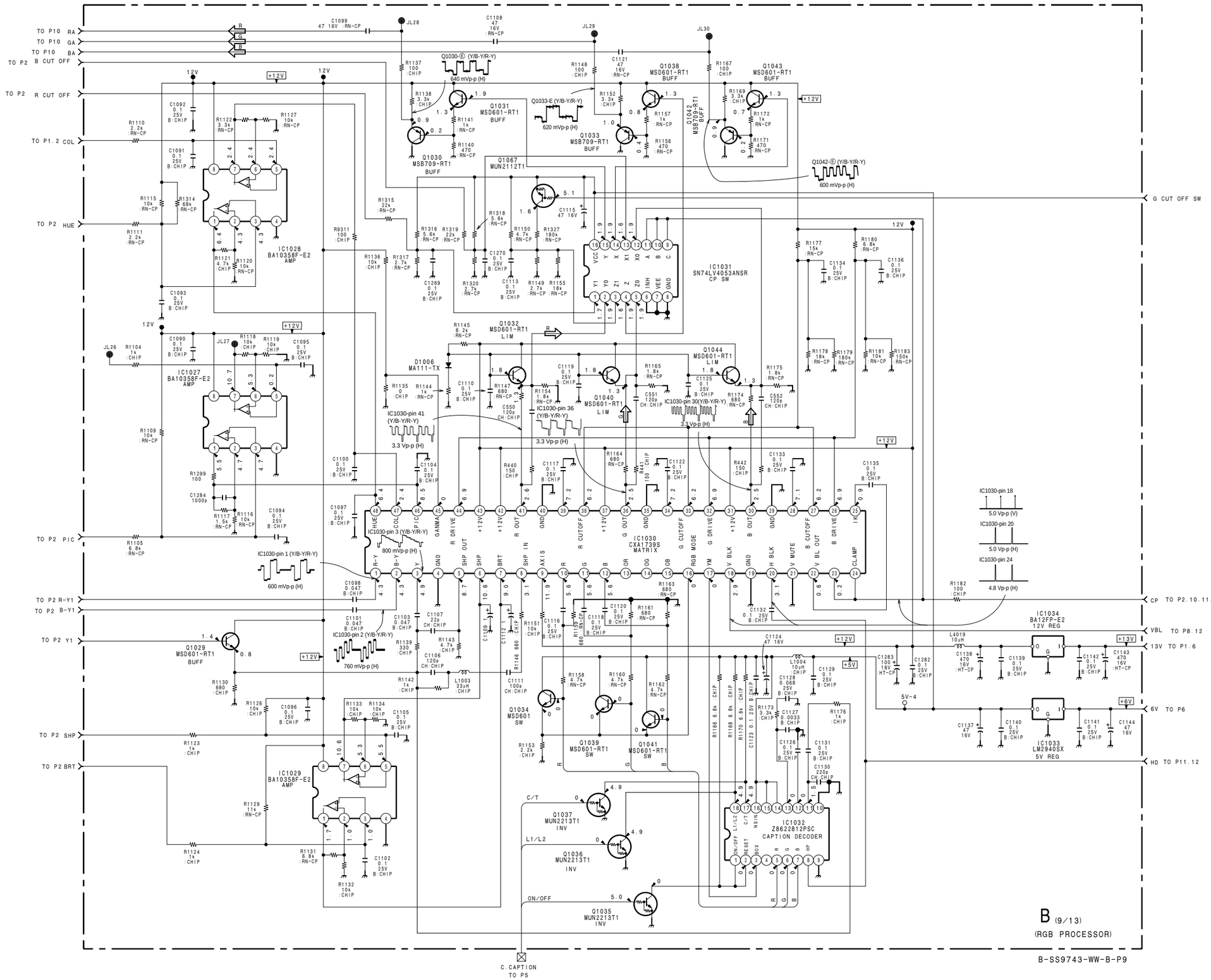
B-SS9743-WW-B-P4

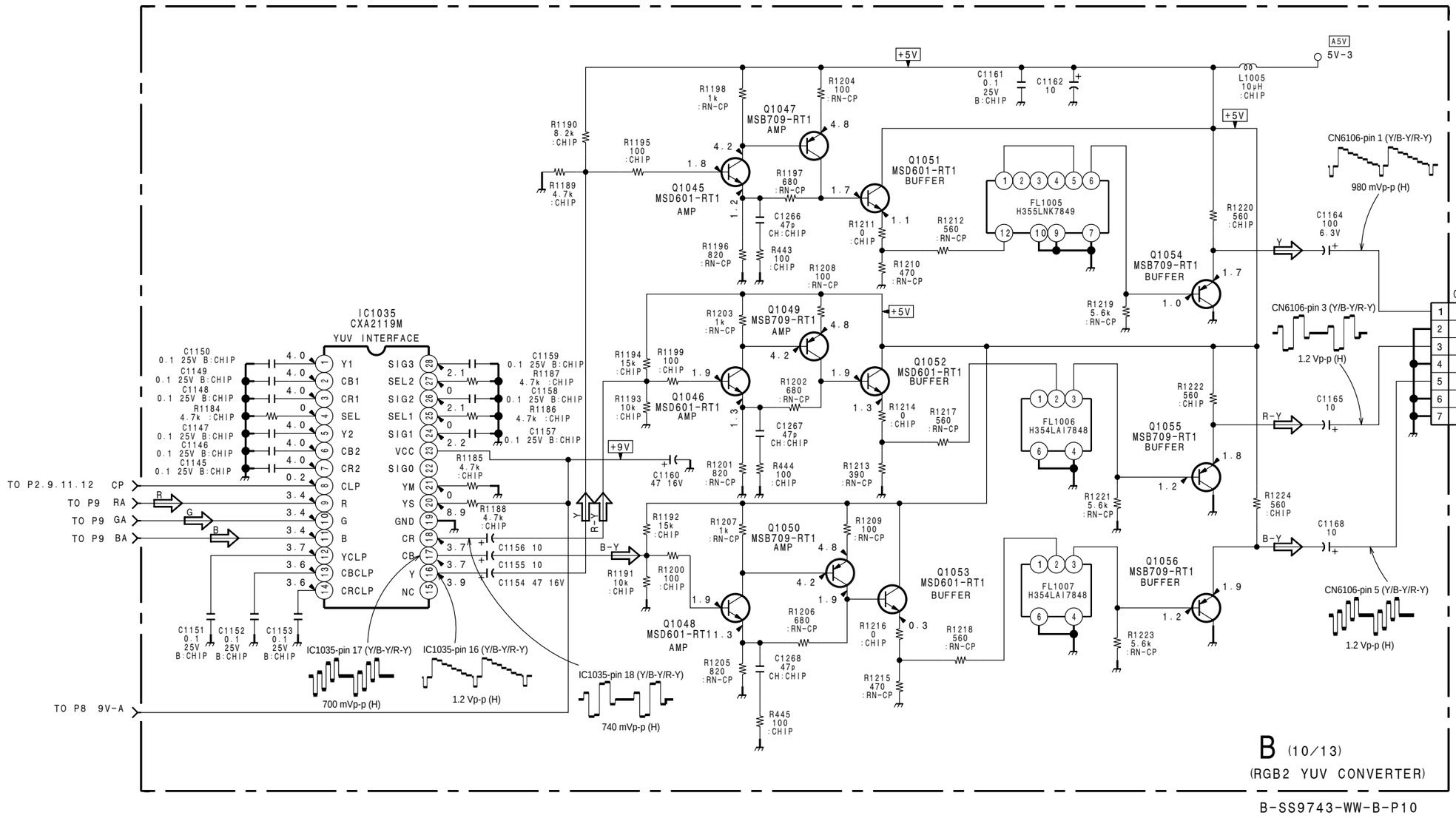

B (5/13)
(SYSTEM CONTROL (MPU))
B-SS9743-WW-B-P5
IC509
HD64F2633TE
MAIN CPU
NSTATUS
CONF-DONE
IC503
MAX202CSE
RS-232C INTERFACE
IC513
S-80842ANNP-ED6
RESET
IC512
S-80842ANNP-ED6
RESET
IC514
SN74CBTD3306
IC516
SN74CBTD3306
IC511
M24C64-WMN (A)
EEPROM
IC510
MC74VHC1GB8FT1
Q503
2SB1561T100Q
REG
Q502
MSD601-RT1
CORRENT SOURCE
Q501
MUN2211T1
INV
Q506
MUN2112T1
INV
Q8002
MUN2213T1
INV
Q8001
MUN2213T1
INV
X501
12.288MH
X500
32.768K
CN118
3P
RED
:ELCO
CN8001
13P
:RED
:ELCO
CN104
9P WHT :ELCO
CN105
3P WHT :ELCO
PW CONTROL
TO P2 V_POL
TO P2 H_POL
TO P13 PDP-ACT
TO P13 PDP-CPU
TO P1 RGB-H
TO P6 S.D-STATUS
TO YA BOARD CN8501
TO YB BOARD CN8601
TO FAN
TO P6 FAN-DRV
TO P1 SIRCS1
TO P1 SIRCS2
TO P1.2.13 DMP_CLK
TO P1.13 DMP_RX
TO P1.2.13 DMP_TX
TO P4 PCG_CLK
TO P4 PCG_DTA
TO P6 FAN7
TO P1 232C_MOSI
TO P1 232C_MISO
TO P2 DAC1_CS
TO P1 RES
TO P1 MD2
TO P1 FWR
TO P4 UART_RX
TO P4 UART_TX
PW_RES TO P4
C.CAPTION TO P9
PDP-SCL TO P13
PDP-SDA TO P13
SCL TO P1.7.8
SDA TO P1.7.8
PDP-IRQ TO P13
AFC-SW TO P12
MV-SW TO P3
STBY TO P6
AD-PDWN TO P3
V.MUTE TO P13
A.MUTE TO P1
SYNC_SEL TO P2
Y.SW TO P2
PICAGC.SW TO P2
2D/3D TO P12
YUV/VIDEO TO P2.12
VID.SEL1 TO P8
VID.SEL2 TO P8
PXI TO P11
X56 TO P8.11.12
SYS_VS TO P2.3
V.BLK TO P13
SYS_HS TO P1.2.3
DPLD_CS TO P13
MATRIX TO P1
HD-YPBPR TO P1
VIDEO/RGB TO P1
RGB1/RGB2 TO P1
OP_CS TO P1
RGB3 TO P1
OP_CTL1 TO P1
FAN_DRV TO P1
OP_CTL2 TO P1
OSD_CS TO P13
POWER TO P5
LED-GREEN TO P5
LED-RED TO P5
OSD_RES TO P13
SW15/33 TO P3
P47
P16
P15
PXO
PX3
PX2
JL18
JL19
JL20
JL23
JL22
LED-RED
LED-GREEN
POWER
OP_CS
OSD_CS
OSD_RES
SW15/33
V.SYNC
V.BLK
SYS_HS
SYS_VS
DPLD_CS
SDA (TX)
SDA (RX)
PDP-IRQ
AFC-SW
MV_SW
POWER
AD-PDWN
V.MUTE
A.MUTE
PVCC1
SYNC-SEL
Y-SW
PICAGC-SW
2D/3D
YUVVIDEO
VID-SEL1
VID-SEL2
PXI
50/60
V.SYNC
V.BLK
SYS_HS
SYS_VS
DPLD_CS
180V
70V
PT1
PT2
PT3
ATEMP
FAN_FB
THERMO
F1
F2
F3
F4
F5
OP_CS
RGB3
OP_CTL1
FAN_DRV
OP_CTL2
OSD_CS
POWER
LED-GREEN
LED-RED
OSD_RES
SW15/33
MATRIX
HD-YPBPR
VIDEO/RGB
RGB1/RGB2
IC505 (3/4) TC74HC126AF BUFF
IC505 (4/4) TC74HC126AF BUFF
IC505 (2/4) TC74HC126AF BUFF
IC506 (3/4) TC74HC125AF BUFF
IC506 (4/4) TC74HC125AF BUFF
IC506 (2/4) TC74HC125AF BUFF
IC506 (1/4) TC74HC125AF BUFF
IC500 (1/4) TC74HC126AF BUFF
IC500 (2/4) TC74HC126AF BUF 11
IC500 (3/4) TC74HC126AF BUF 6
IC500 (4/4) TC74HC126AF BUFF
IC502 (1/8) TC74LCX244AF BUFF
IC502 (2/8) TC74LCX244AF BUFF
IC502 (3/8) TC74LCX244AF BUFF
IC502 (4/8) TC74LCX244AF BUFF
IC502 (5/8) TC74LCX244AF BUFF
IC502 (6/8) TC74LCX244AF BUFF
IC502 (7/8) TC74LCX244AF BUFF
IC502 (8/8) TC74LCX244AF BUFF
IC502 (5/8) TC74LCX244AF BUFF
IC507 (1/8) TC74HCT244AFT
IC507 (2/8) TC74HCT244AF BUFF
IC507 (3/8) TC74HCT244AF BUFF
IC507 (4/8) TC74HCT244AF BUFF
IC507 (5/8) TC74HCT244AF BUFF
IC507 (6/8) TC74HCT244AF BUFF
IC507 (7/8) TC74HCT244AF BUFF
IC507 (8/8) TC74HCT244AF BUFF
IC508 (1/6) TC74VHC14F INV
IC508 (2/6) TC74VHC14F INV
IC508 (3/6) TC74VHC14F INV
IC508 (4/6) TC74VHC14F INV
IC508 (5/6) TC74VHC14F INV
IC508 (6/6) TC74VHC14F INV
IC515 (1/8) TC74VHCT244AFT
IC515 (2/8) TC74VHCT244AFT
IC515 (3/8) TC74VHCT244AFT
IC515 (4/8) TC74VHCT244AFT
IC515 (5/8) TC74VHCT244AFT
IC515 (6/8) TC74VHCT244AFT
IC515 (7/8) TC74VHCT244AFT
IC515 (8/8) TC74VHCT244AFT
IC209 (1/8) TC74LCX244AF
IC209 (2/8) TC74LCX244AF
IC209 (6/8) TC74LCX244AF
IC209 (8/8) TC74LCX244AF
IC8001 (1/2) TC7W126FU
IC8001 (2/2) TC7W126FU
D8001 PDZ5.6B-115
D8002 1PS226-115
D8003 1PS226-115
D8004 1PS226-115
D504 PDZ5.6B-115
D505 PDZ5.6B-115
D506 PDZ5.6B-115
D507 PDZ5.6B-115
D508 PDZ5.6B-115
D509 PDZ5.6B-115
D510 MA111
D511 MA111
D512 MA111-TX
D513 MA111-TX
D514 MA111
D515 MA111
D516 MA111
BAT500 3V
STBY5V
5V
5V-2
5V-3
3.3V
3.3V-2
D5V
D3.3V
POWER
LED-RED
LED-GREEN
OPEN

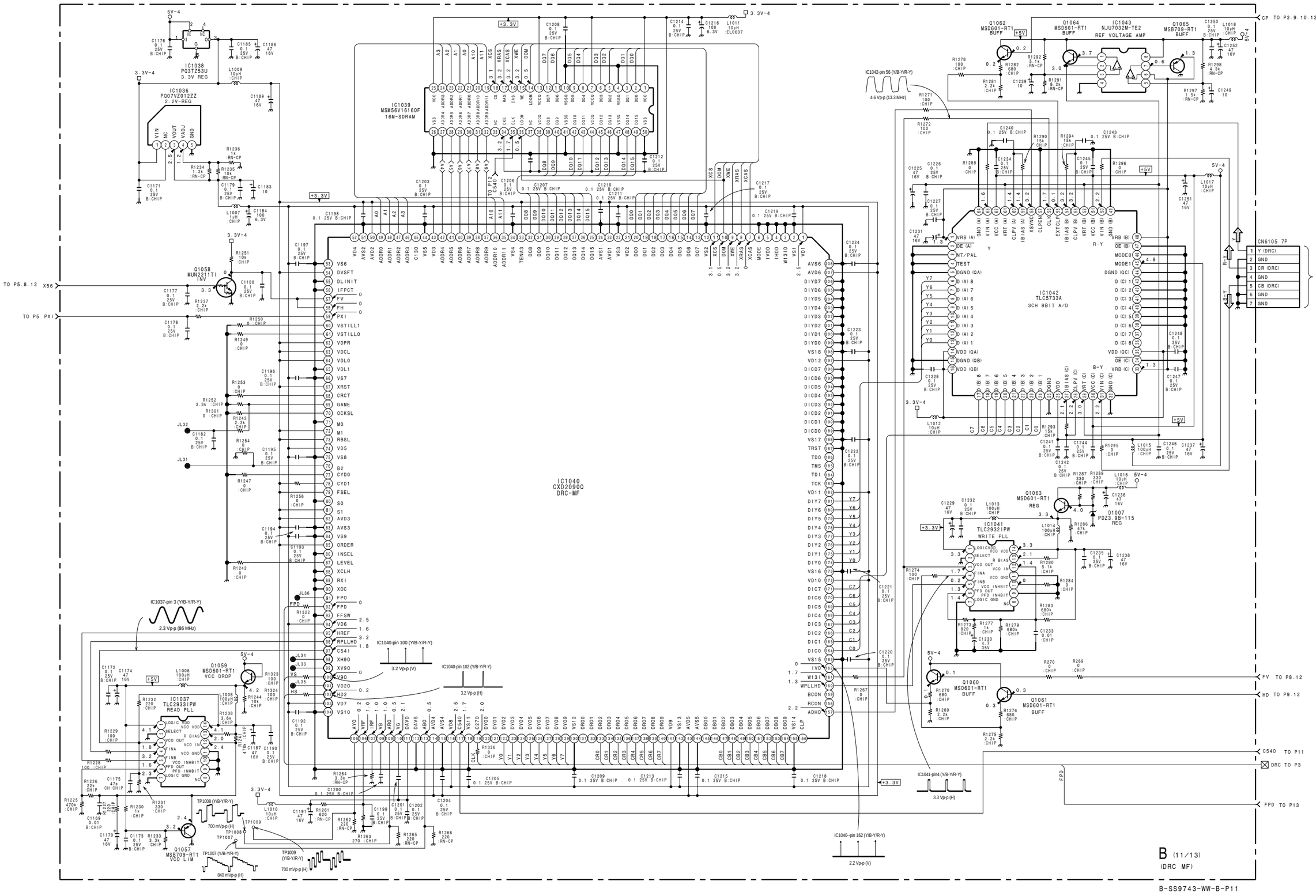

TO P5
S.D-STATUS
TO P1.913V
TO P9 6V
CN106 15P :RED
12V 1
12V 2
13.5V 3
13.5V 4
GND 5
GND 6
6.2V 7
6.2V 8
DGND 9
DGND 10
5VD 11
5VD 12
STBY5V 13
STBY5V 14
STBY 15
TO APS-179 BOARD CN9001 CN9002
TO P1 +5V
TO P5 STBY
TO P5 FAN7
IC6 BA09F-E2 9V REG
9V
R5 10 2W :RS
C6 0.1 25V B:CHIP
C12 100 16V
C18 0.1 25V B:CHIP
C23 100 16V
IC4 LM2940SX 5V REG
A5V
5V-3
IC7 BA033FP
A3.3V
3.3V-3
R1 0.22 1W :RS
C4 100 16V
C10 0.1 25V B:CHIP
C16 0.1 25V B:CHIP
C21 100 16V
C26 0.1 25V B:CHIP
C27 100 16V
D5V
5V-2
IC3 BA033FP 3.3V REG
D3.3V
3.3V-2
C3 100 16V
C9 0.1 25V B:CHIP
C15 0.1 25V B:CHIP
C20 100 16V
IC831 LM317SX 2.5V REG
ADJ
R831 0.47 :FPRD
D2.5V
2.5V
R830 1 2W :RS-CP
IC2 LM317SX 2.5V REG
D1 MA111-TX
C2 100 16V
C8 0.1 25V B:CHIP
R4 470 :RN-CP
R832 0.47 :FPRD
C24 0.1 25V B:CHIP
C25 100 16V
R3 510 :RN-CP
C13 47 16V
IC1 BA033FP 3.3V REG
STBY5V
5V
STBY3.3V
3.3V
C1 100 16V
C7 0.1 25V B:CHIP
C14 0.1 25V B:CHIP
C19 100 16V
L801 100μH
C801 470μF 10V
CN801 3P
TO FAN7
C720 47 16V
C716 0.1 B:CHIP
IC703 (1/2) NJM2903M
TP2 TP3 TP4 TP5 TP7 TP9 TP13 TP15
PT1
PT2
PT3
ATEMP
THERMO
180V
70V
FAN_FB
F1
F2
F3
F4
F5
5V-3 A5V
L700 100μH
C710 47 16V
CN109 12P
1 +5V
2 P.TEMP1
3 GND
4 +5V
5 P.TEMP2
6 GND
7 +5V
8 P.TEMP3
9 GND
10 +5V
11 A.TEMP
12 GND
TO S BOARD CN1501
R708 100k :CHIP
C707 100 6.3V
R714 1k :CHIP
R707 100k :CHIP
C706 100 6.3V
R713 1k :CHIP
R706 100k :CHIP
C705 100 6.3V
R712 1k :CHIP
R705 100k :CHIP
C704 100 6.3V
R711 1k :CHIP
CN1108P :RED
1 26V
2 26V
3 GND
4 THERM_1
5 GND
6 VA_SENCE
7 26V_ON
8 VS_SENCE
TO APS-179 BOARD CN9003
R717 1k :CHIP
26V TO P1
D703 MA111-TX
D705 MA111-TX
R729 10k :CHIP
C715 22 35V
D701 MA111-TX
C717 22 35V
D704 MA111-TX
R728 10k :CHIP
+12V
Q702 2SJ377-TE16L FAN DRV SW
L701 150μH
L702 150μH
D702 NSQ03A06
FB700 0.45UH
C718 220 35V
C719 220 35V
R701 18k :RN-CP
C721 0.1 B:CHIP
R700 10k :RN-CP
D700 PDZ5.6B-115
R704 33k :CHIP
R716 1 :FPRD
R719 10k :CHIP
C712 0.1B:CHIP
R709 2.7k :CHIP
C703 47 16V
R703 8.2k :CHIP
R720 10 :CHIP
Q701 MSD601-RT1 FAN DRV CONT
TO P5 FAN_DRV
R702 100 :CHIP
Q700 MSB709-RT1 FAN DRV CONT
IC703 (2/2) NJM2903M COMP
R710 10k :CHIP
R715 10k :CHIP
R718 10k :CHIP
R721 10k :CHIP
R722 10k :CHIP
R727 10 :CHIP
R726 10 :CHIP
R725 10 :CHIP
R724 10 :CHIP
R723 10 :CHIP
C708 0.1 :CHIP
C709 0.1 :CHIP
C711 0.1 :CHIP
C713 0.1 :CHIP
C714 0.1 :CHIP
CN112 15P :ELCO
1 FAN-DRV
2 FAN1
3 GND
4 FAN-DRV
5 FAN2
6 GND
7 FAN-DRV
8 FAN3
9 GND
10 FAN-DRV
11 FAN4
12 GND
13 FAN-DRV
14 FAN5
15 GND
TO FAN1-5
FAN-DRV TO P5
B (6/13)
(FAN DRIVE/DC DISTRIBUTE/SIRCS CONNECT)
B-SS9743-WW-B-P6

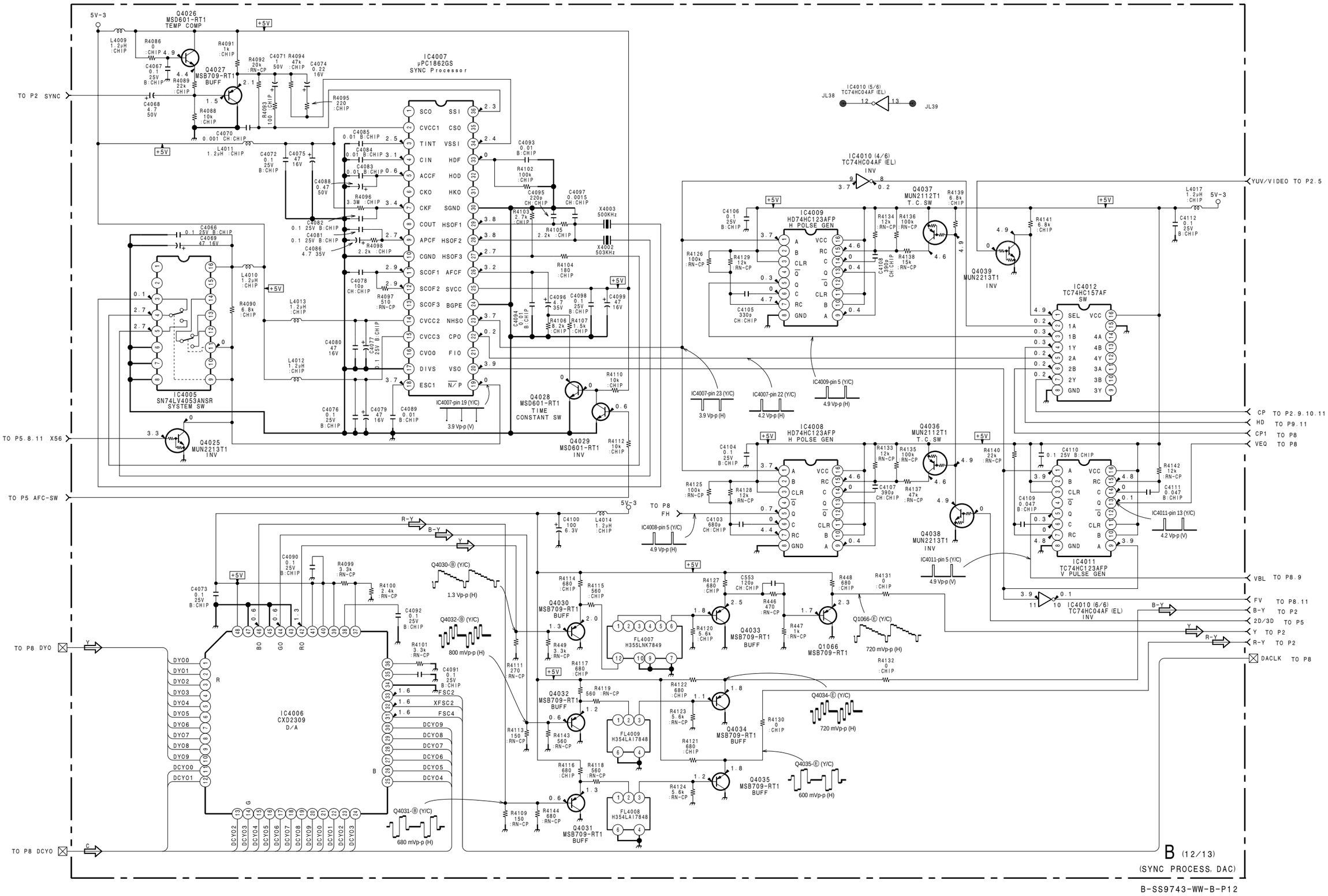

CN115
8P WHT :ELCO
1 VCC
2 SDO
3 SDI
4 ISPEN
5 NC
6 MODE
7 GND
8 SCLK
OPEN
IC1013
ISPLSI2032E
Y/C distributer
IC1007
SM81C256K16DJ-35
FRAME MEMORY
IC1008
BA033FP
3.3V REG
IC1009
BA033FP
3.3V REG
IC1006
LM1881M
SYNC SEP
IC1010
TC7S04F
INV
IC1011
μPD64082
3D COMB
IC1012
TC7S04F
INV
Q1026
MSD601-RT1
AMP
Q1027
MSD601-RT1
AMP
Q1028
MSB709-RT1
BUFF
Q1025
MSB709-RT1
BUFF
D1005
MMDL914T1
IC1011-pin 88 (Composite)
960 mVp-p (H)
IC1011-pin 84 (Composite)
560 mVp-p (H)
IC1011-pin 83 (Composite)
500 mVp-p (H)
IC1010-pin 4
4.4 Vp-p (3.6 MHz)
IC1012-pin 4 (Composite)
4.7 Vp-p (14.285 MHz)
TO P2.8 V.OUT
TO P8 3.3V-S
TO P1.5.8 SCL
TO P1.5.8 SDA
TO P8 FSC
DYC TO P8
B (7/13)
(3D COMB)
B-SS9743-WW-B-P7

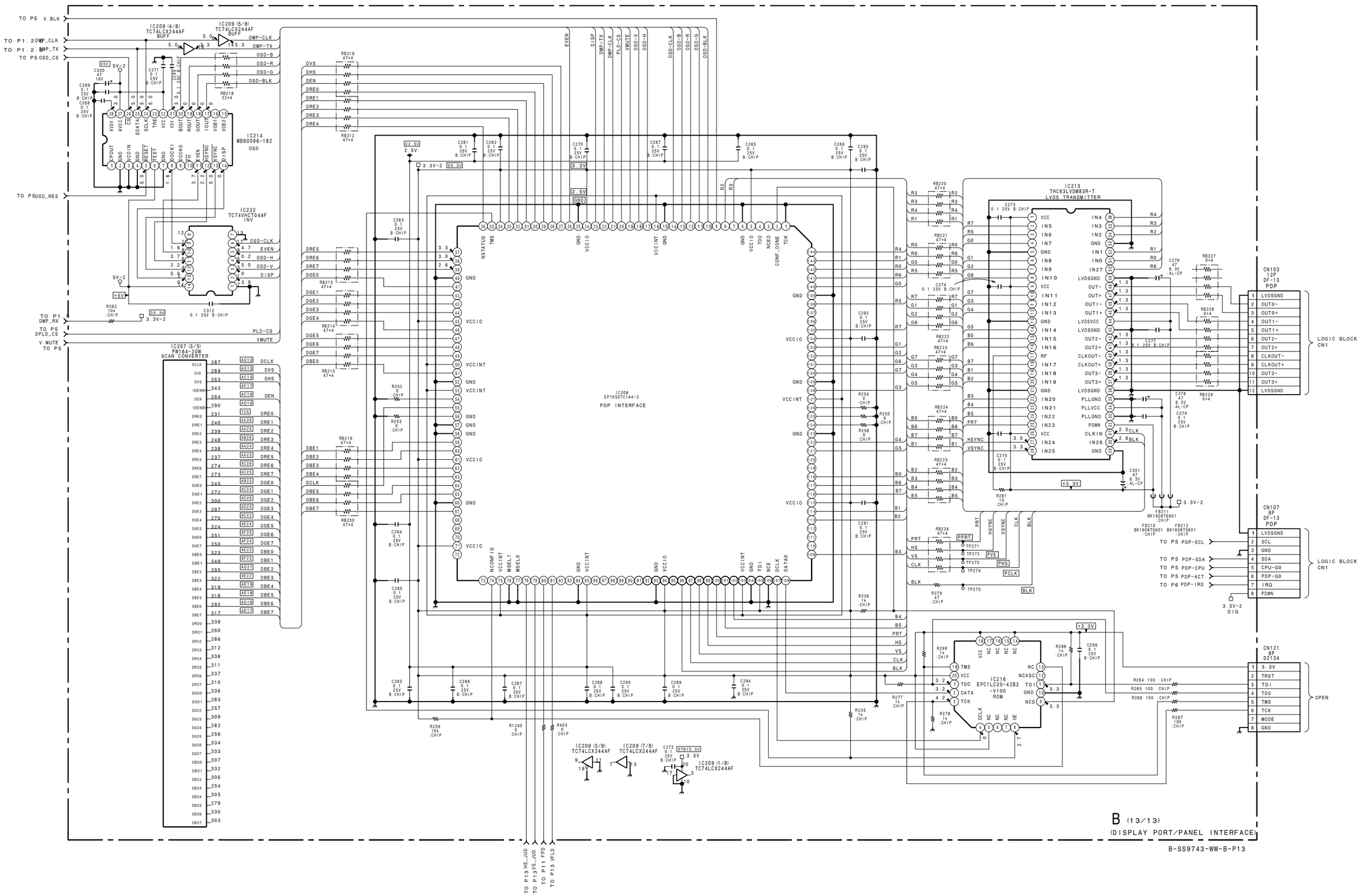

DYC TO P7
TO P10 9V-S
TO P5.11 Y12
X56
TO P12 FH
TO P9.12 VBL
TO P12 VEG
TO P7 3.3V-S
TO P11.12 FV
TO P12 DCYO
Y/C
IC4004 CXD2030R
CXD2030R
DIGITAL COMB/CHROMA DECODER
IC4001 CXA1860Q SW & CLAMP
IC4003 CX23000 8BIT A/D
IC4000 TDA8395T/N3 SECAM DECODER
Q4000 MSB709-RT1 BUFF
Q4001 MSD601-RT1 TEMP COMP
Q4002 MSD601-RT1 REG
Q4003 MUN2211T1 INV
Q4004 MUN2211T1 INV
Q4005 MUN2111T1 SW
Q4006 MUN2211T1 INV
Q4007 MSB709-RT1 BUFF
Q4008 MSB709-RT1 BUFF
Q4009 MSD601-RT1 SW
Q4010 MSD601-RT1 SW
Q4011 MSD601-RT1 BUFF
Q4012 MSD601-RT1 AMP
Q4013 MUN2111T1 SW
Q4014 MSD601-RT1 BUFF
Q4015 MSD601-RT1 BUFF
Q4016 MSD601-RT1 SW
Q4017 MSD601-RT1 BUFF
Q4018 MSB709-RT1 AMP
Q4019 MUN2211T1 INV
Q4020 MSB709-RT1 AMP
Q4021 MSD601-RT1
Q4022 MUN2111T1 INV
Q4023 MUN2211T1 INV
Q4024 MSB709-RT1 BUFF
D4000 MA111
D4001 MA111-TX
D4002 M1MA152WKT1
D4003 M1MA152WKT1
D4004 MA111-TX
D4005 M1MA152WKT1
D4006 HVU359
D4007 HVU359
D4008 HVU359
FL4000 STC3328
FL4001 STC3328
FL4002 STC3328
FL4003 H314LNKS-3989 Y INPUT LPF
FL4004 STC3328
FL4005 STC3328
FL4006 H314LNKS-3989 C INPUT LPF
TO P5 VID.SEL2
TO P5 VID.SEL1
TO P2 B-Y
TO P2 R-Y
TO P2 Y_OUT
TO P2 Y_OUT
TO P2 C_OUT
TO P2 SECAM_C
C4004-(SECAM)
1 Vp-p (2H)
C4012-(SECAM)
1.3 Vp-p (2H)
IC4001-pin 13 (Y/C)
920 mVp-p (H)
IC4001-pin 10 (Y/C)
950 mVp-p (H)
TO P12 DACLK
TO P12 DYO
TO P1.5.7 SDA
TO P1.5.7 SCL
TO P1.7 FSC
TO P12 CP1
FSC2
XFSC2
FSC4
DYO0
B (8/13)
(CHROMA DECODER)
B-SS9743-WW-B-P8


TO P10 RA
TO P10 GA
TO P10 BA
TO P2 B CUT OFF
TO P2 R CUT OFF
TO P1.2 COL
TO P2 HUE
TO P2 PIC
TO P2 R-Y1
TO P2 B-Y1
TO P2 Y1
TO P2 SHP
TO P2 BRT
G CUT OFF SW
CP TO P2.10.11.12
VBL TO P8.12
13V TO P1.6
6V TO P6
HD TO P11.12
C: CAPTION TO P5
IC1028 BA10358F-E2 AMP
IC1027 BA10358F-E2 AMP
IC1029 BA10358F-E2 AMP
IC1030 CXA1739S MATRIX
IC1031 SN74LV4053ANSR CP SW
IC1032 Z8622812PSC CAPTION DECODER
IC1033 LM2940SX 5V REG
IC1034 BA12FP-E2 12V REG
Q1030 MSB709-RT1 BUFF
Q1031 MSD601-RT1 BUFF
Q1033 MSB709-RT1 BUFF
Q1038 MSD601-RT1 BUFF
Q1042 MSB709-RT1 BUFF
Q1043 MSD601-RT1 BUFF
Q1029 MSD601-RT1 BUFF
Q1032 MSD601-RT1 LIM
Q1040 MSD601-RT1 LIM
Q1044 MSD601-RT1 LIM
Q1034 MSD601 SW
Q1039 MSD601-RT1 SW
Q1041 MSD601-RT1 SW
Q1037 MUN2213T1 INV
Q1036 MUN2213T1 INV
Q1035 MUN2213T1 INV
Q1067 MUN2112T1
D1006 MA111-TX
IC1030-pin 18 5.0 Vp-p (V)
IC1030-pin 20 5.0 Vp-p (H)
IC1030-pin 24 4.8 Vp-p (H)
B (9/13) (RGB PROCESSOR)
B-SS9743-WW-B-P9

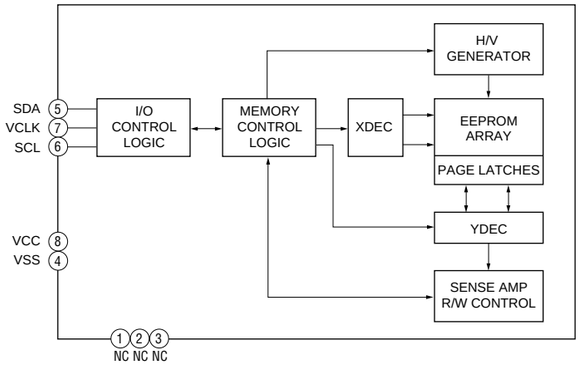

+5V
A5V
5V-3
IC1035
CXA2119M
YUV INTERFACE
Y1
CB1
CR1
SEL
Y2
CB2
CR2
CLP
R
G
B
YCLP
CBCLP
CRCLP
SIG3
SEL2
SIG2
SEL1
SIG1
VCC
SIGO
YM
YS
GND
CR
CB
Y
NC
TO P2.9.11.12 CP
TO P9 RA
TO P9 GA
TO P9 BA
TO P8 9V-A
Q1047 MSB709-RT1 AMP
Q1045 MSD601-RT1 AMP
Q1051 MSD601-RT1 BUFFER
Q1049 MSB709-RT1 AMP
Q1046 MSD601-RT1 AMP
Q1052 MSD601-RT1 BUFFER
Q1050 MSB709-RT1 AMP
Q1048 MSD601-RT11.3 AMP
Q1053 MSD601-RT1 BUFFER
Q1054 MSB709-RT1 BUFFER
Q1055 MSB709-RT1 BUFFER
Q1056 MSB709-RT1 BUFFER
FL1005 H355LNK7849
FL1006 H354LAI7848
FL1007 H354LAI7848
CN6106-pin 1 (Y/B-Y/R-Y)
980 mVp-p (H)
CN6106-pin 3 (Y/B-Y/R-Y)
1.2 Vp-p (H)
CN6106-pin 5 (Y/B-Y/R-Y)
1.2 Vp-p (H)
IC1035-pin 17 (Y/B-Y/R-Y)
700 mVp-p (H)
IC1035-pin 16 (Y/B-Y/R-Y)
1.2 Vp-p (H)
IC1035-pin 18 (Y/B-Y/R-Y)
740 mVp-p (H)
CN6106 7P
1 Y (DRC)
2 GND
3 CR (DRC)
4 GND
5 CB (DRC)
6 GND
7 GND
TO B BOARD (11/13) CN6105
B (10/13)
(RGB2 YUV CONVERTER)
B-SS9743-WW-B-P10


IC1039 MSM56V16160F 16M-SDRAM
IC1040 CXD2090Q DRC-MF
IC1042 TLC5733A 3CH 8BIT A/D
IC1043 NJU7032M-TE2 REF VOLTAGE AMP
IC1041 TLC2932IPW WRITE PLL
IC1038 PQ3TZ53U 3.3V REG
IC1036 PQ07VZ012ZZ 2.2V-REG
IC1037 TLC2933IPW READ PLL
Q1058 MUN2211TI INV
Q1059 MSD601-RT1 VCC DROP
Q1057 MSB709-RT1 VCO LIM
Q1062 MSD601-RT1 BUFF
Q1064 MSD601-RT1 BUFF
Q1065 MSB709-RT1 BUFF
Q1063 MSD601-RT1 REG
Q1060 MSD601-RT1 BUFF
Q1061 MSD601-RT1 BUFF
D1007 PDZ3.9B-115 REG
CN6105 7P
TO B BOARD (10/13) CN6106
TO P5.8.12 X56
TO P5 PXI
IC1037-pin 3 (Y/B-Y/R-Y) 2.3 Vp-p (86 MHz)
IC1040-pin 100 (Y/B-Y/R-Y) 3.2 Vp-p (V)
IC1040-pin 102 (Y/B-Y/R-Y) 3.2 Vp-p (H)
IC1040-pin 162 (Y/B-Y/R-Y) 2.2 Vp-p (V)
IC1041-pin4 (Y/B-Y/R-Y) 3.3 Vp-p (H)
IC1042-pin 56 (Y/B-Y/R-Y) 4.6 Vp-p (13.3 MHz)
TP1008 (Y/B-Y/R-Y) 700 mVp-p (H)
TP1009 (Y/B-Y/R-Y) 700 mVp-p (H)
TP1007 (Y/B-Y/R-Y) 840 mVp-p (H)
FV TO P8.12
HD TO P9.12
C540 TO P11
DRC TO P3
FPD TO P13
B (11/13) (DRC MF)
B-SS9743-WW-B-P11

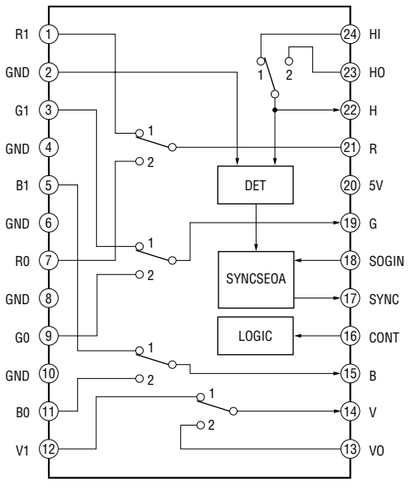

IC4007 µPC1862GS SYNC Processor
IC4005 SN74LV4053ANSR SYSTEM SW
IC4006 CXD2309 D/A
IC4008 HD74HC123AFP H POLSE GEN
IC4009 HD74HC123AFP H POLSE GEN
IC4010 (4/6) TC74HC04AF (EL) INV
IC4010 (5/6) TC74HC04AF (EL)
IC4010 (6/6) TC74HC04AF (EL) INV
IC4011 TC74HC123AFP V PULSE GEN
IC4012 TC74HC157AF SW
Q4025 MUN2213T1 INV
Q4026 MSB709-RT1 TEMP COMP
Q4027 MSB709-RT1 BUFF
Q4028 MSD601-RT1 TIME CONSTANT SW
Q4029 MSD601-RT1 INV
Q4030 MSB709-RT1 BUFF
Q4031 MSB709-RT1 BUFF
Q4032 MSB709-RT1 BUFF
Q4033 MSB709-RT1 BUFF
Q4034 MSB709-RT1 BUFF
Q4035 MSB709-RT1 BUFF
Q4036 MUN2112T1 T.C.SW
Q4037 MUN2112T1 T.C.SW
Q4038 MUN2213T1 INV
Q4039 MUN2213T1 INV
Q1066 MSB709-RT1
FL4007 H355LNK7849
FL4009 H354LA17848
FL4008 H354LA17848
X4003 500KHz
X4002 503KHz
TO P2 SYNC
TO P5.8.11 X56
TO P5 AFC-SW
TO P8 DYO
TO P8 DCYO
TO P8 FH
YUV/VIDEO TO P2.5
CP TO P2.9.10.11
HD TO P9.11
CP1 TO P8
VEQ TO P8
VBL TO P8.9
FV TO P8.11
B-Y TO P2
2D/3D TO P5
Y TO P2
R-Y TO P2
DACLK TO P8
IC4007-pin 23 (Y/C) 3.9 Vp-p (H)
IC4007-pin 22 (Y/C) 4.2 Vp-p (H)
IC4009-pin 5 (Y/C) 4.9 Vp-p (H)
IC4007-pin 19 (Y/C) 3.9 Vp-p (V)
IC4008-pin 5 (Y/C) 4.9 Vp-p (H)
IC4011-pin 5 (Y/C) 4.9 Vp-p (V)
IC4011-pin 13 (Y/C) 4.2 Vp-p (V)
Q4030-Ⓑ (Y/C) 1.3 Vp-p (H)
Q4032-Ⓑ (Y/C) 800 mVp-p (H)
Q4031-Ⓑ (Y/C) 680 mVp-p (H)
Q4034-Ⓔ (Y/C) 720 mVp-p (H)
Q4035-Ⓔ (Y/C) 600 mVp-p (H)
Q1066-Ⓔ (Y/C) 720 mVp-p (H)
B (12/13)
(SYNC PROCESS, DAC)
B-SS9743-WW-B-P12


TO P5 V.BLK
TO P1, 2 DMP_CLK
TO P1, 2 DMP_TX
TO P5 OSD_CS
TO P5 OSD_RES
TO P1 DMP_RX
TO P5 DPLD_CS
V.MUTE TO P5
PLD-CS
VMUTE
IC209 (4/8) TC74LCX244AF BUFF
IC209 (5/8) TC74LCX244AF BUFF
DMP-CLK
DMP-TX
OSD-B
OSD-R
OSD-G
OSD-BLK
IC214 MB90096-182 OSD
IC222 TC74VHCT04AF INV
OSD-CLK
EVEN
OSD-H
OSD-V
DISP
IC207 (3/5) PW164-20W SCAN CONVERTER
DCLK
DVS
DHS
DEN
DRE0
DRE1
DRE2
DRE3
DRE4
DRE5
DRE6
DRE7
DGE0
DGE1
DGE2
DGE3
DGE4
DGE5
DGE6
DGE7
DBE0
DBE1
DBE2
DBE3
DBE4
DBE5
DBE6
DBE7
DRO0
DRO1
DRO2
DRO3
DRO4
DRO5
DRO6
DRO7
DGO0
DGO1
DGO2
DGO3
DGO4
DGO5
DGO6
DGO7
DBO0
DBO1
DBO2
DBO3
DBO4
DBO5
DBO6
DBO7
IC208 EP1K50TC144-3 PDP INTERFACE
VCCIO
VCCINT
GND
NCONFIG
NSTATUS
TMS
TDO
TDI
TCK
NCE
NCEO
DCLK
DATA0
CONF_DONE
IC213 THC63LVDM83R-T LVDS TRANSMITTER
CN103 12P DF-13 PDP
LVDSGND
OUT0-
OUT0+
OUT1-
OUT1+
OUT2-
OUT2+
CLKOUT-
CLKOUT+
OUT3-
OUT3+
LOGIC BLOCK CN1
CN107 8P DF-13 PDP
SCL
SDA
CPU-G0
PDP-G0
IRQ
PDWN
TO P5 PDP-SCL
TO P5 PDP-SDA
TO P5 PDP-CPU
TO P5 PDP-ACT
TO P6 PDP-IRQ
CN121 8P D2134
3.3V
TRST
TDI
TDO
TMS
TCK
MODE
OPEN
IC216 EPC1LC20-42B2 -V100 ROM
PRT
HS
VS
CLK
BLK
PPRT
PVS
PHS
PCLK
HSYNC
VSYNC
PDWN
CLKIN
PLLGND
PLLVCC
TP271
TP272
TP273
TP274
TP275
IC209 (3/8) TC74LCX244AF
IC209 (7/8) TC74LCX244AF
IC209 (1/8) TC74LCX244AF
STBY3.3V
TO P13 HS_JU0
TO P13 VS_JU0
TO P11 FPD
TO P13 VFLD
B (13/13)
(DISPLAY PORT/PANEL INTERFACE)
B-SS9743-WW-B-P13

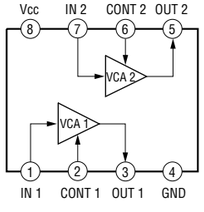
(1/13)
24LC21AT/SN (IC103, IC4013)



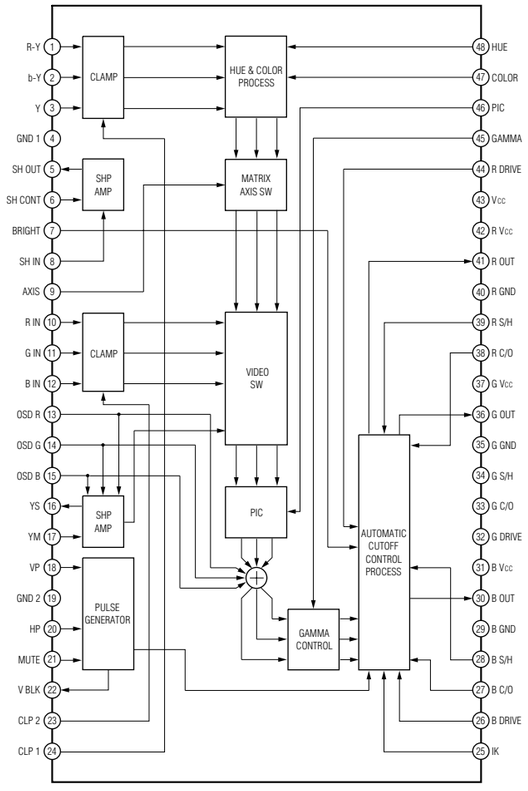
(1/13)
BA7657F (IC6905, IC6907)



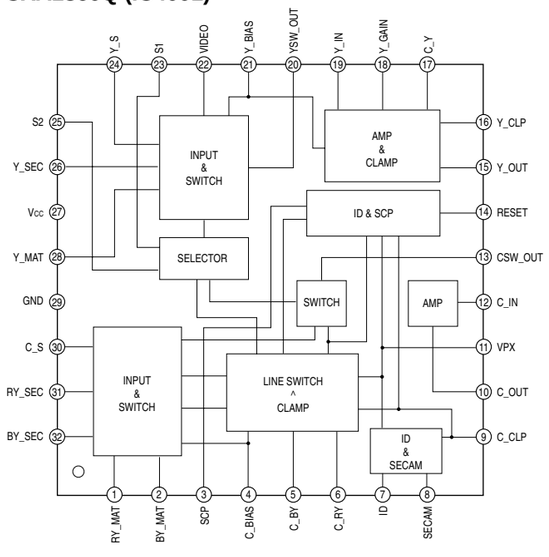
(2/13)
CXA1211M (IC1000, IC1001, IC1005)



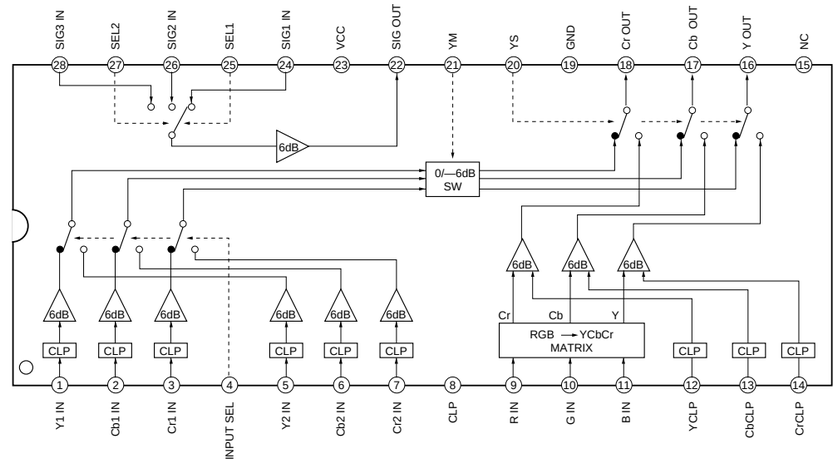
(9/13)
CXA1739S (IC1030)



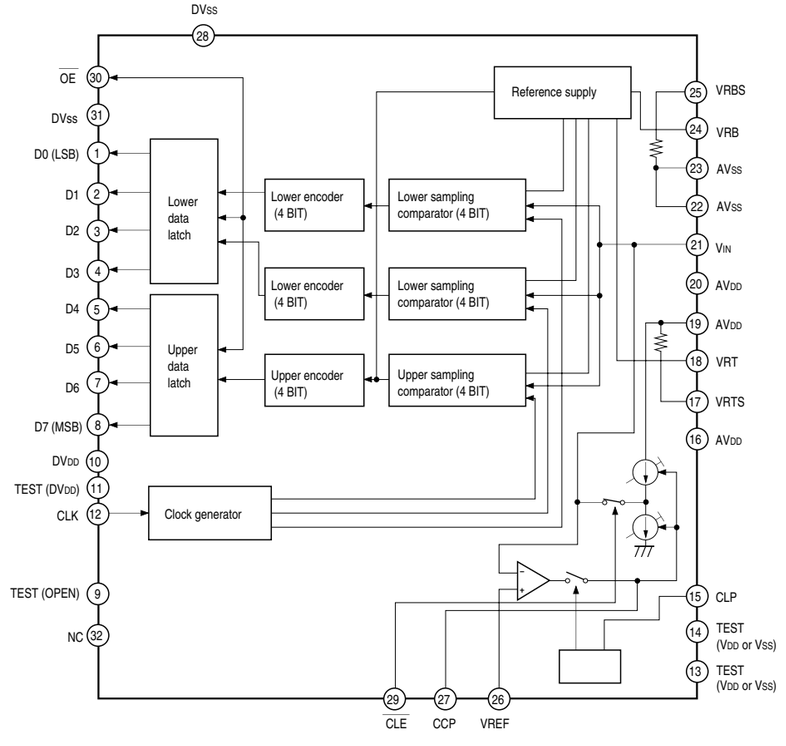
(8/13)
CXA1860Q (IC4001)



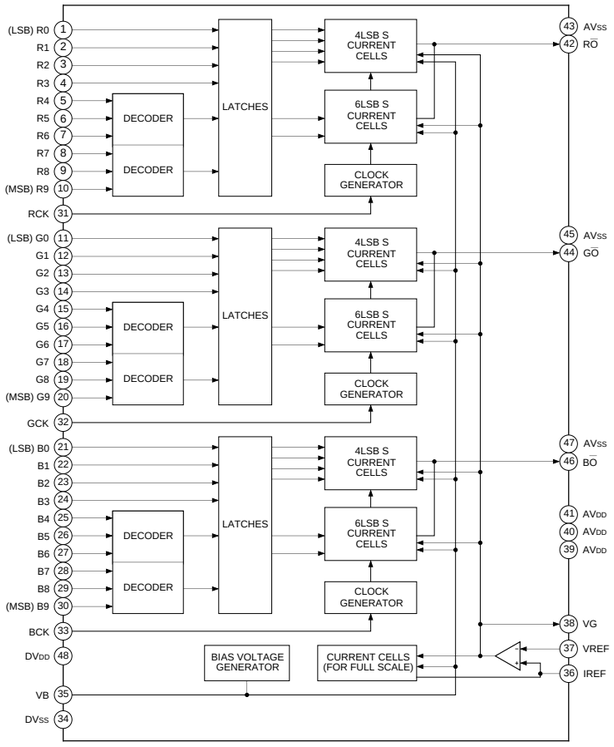
(10/13)
CXA2119M (IC1035)



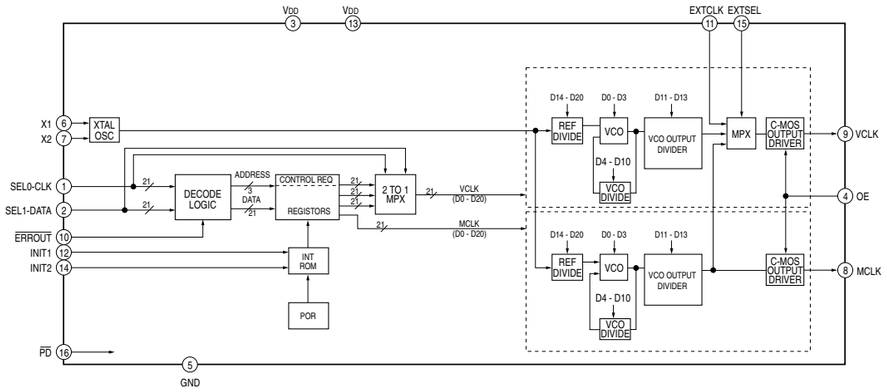
(8/13)
CXD2300Q (IC4003)



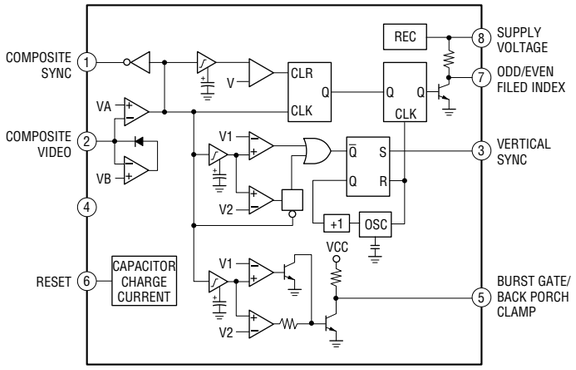
(12/13)
CXD2309 (IC4006)



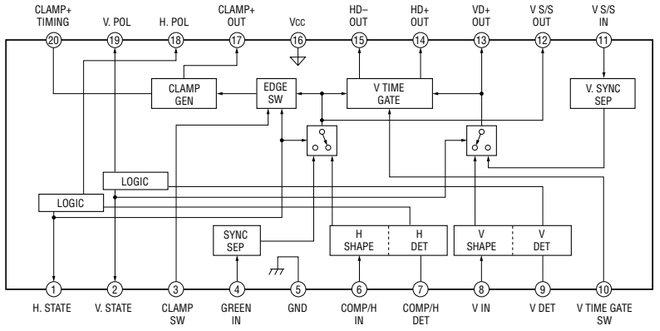
(4/13)
ICS9161A (IC204)



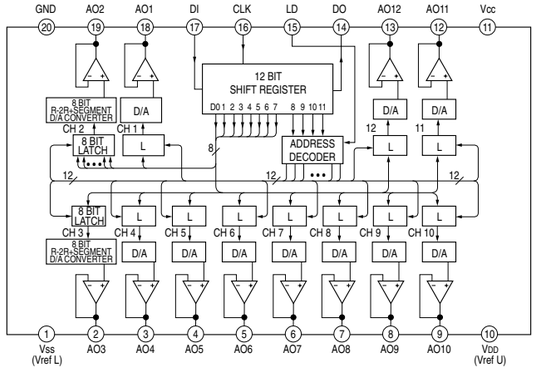
(7/13)
LM1881M (IC1006)



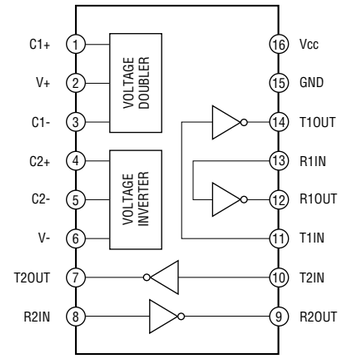
(2/13)
M52347 (IC101)



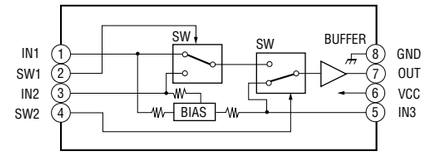
(2/13)
M62352GP (IC501)



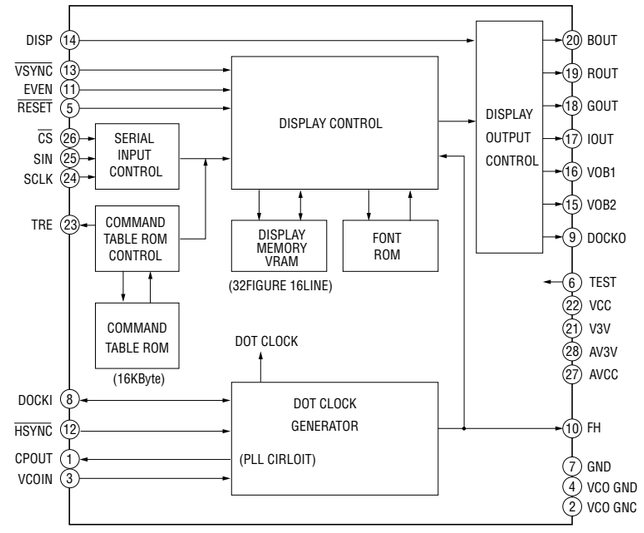
(5/13)
MAX202CSE (IC503)



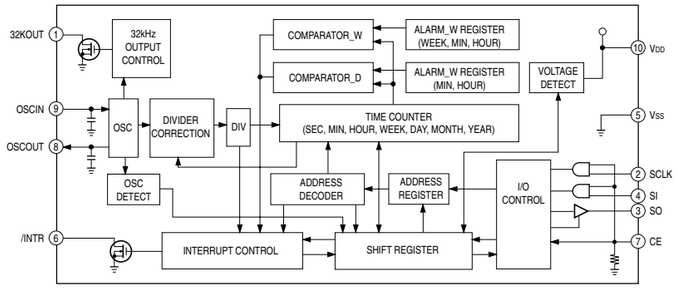
(1/13)
MM1113XFBE (IC6903, IC6904)



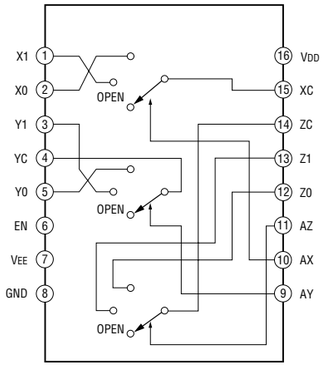
(13/13)
MB90096-182 (IC214)



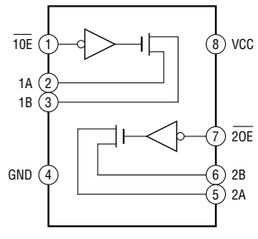
(5/13)
RS5C348A (IC504)



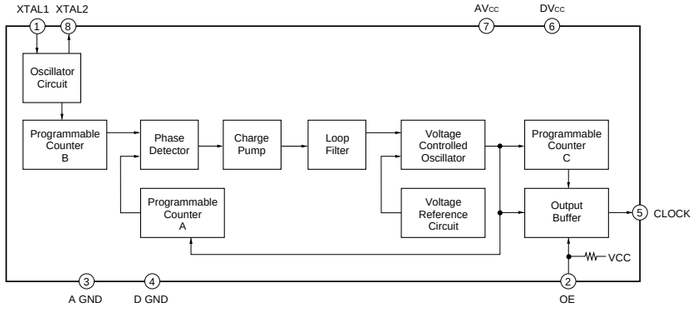
(2/13), (9/13)
SN74LV4053ANSR (IC100, IC1002, IC1003, IC1031)



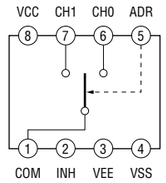
(5/13)
SN74CBTD3306 (IC514, IC516)



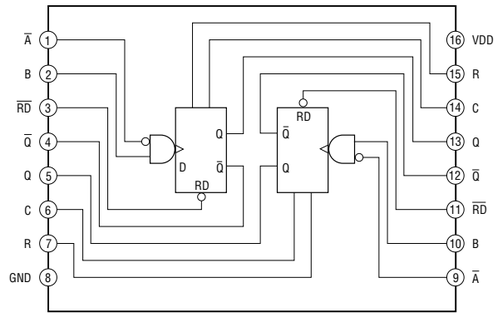
(4/13)
ST49C101ACF8-05 (IC218)



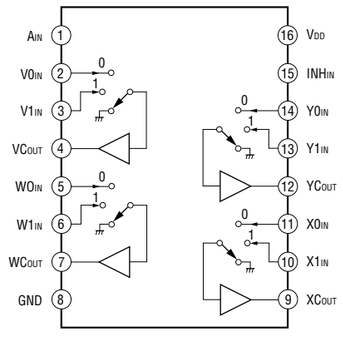
(2/13)
TC4W53FU (IC1004, IC1044)



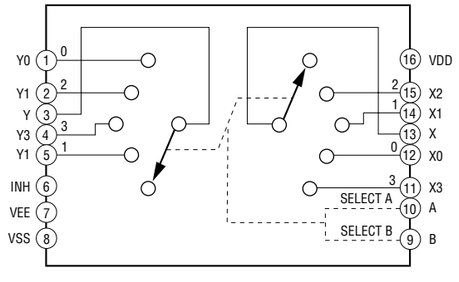
(12/13)
HD74HC123AFP (IC4008, IC4009)
TC74HC123AFP (IC4011)



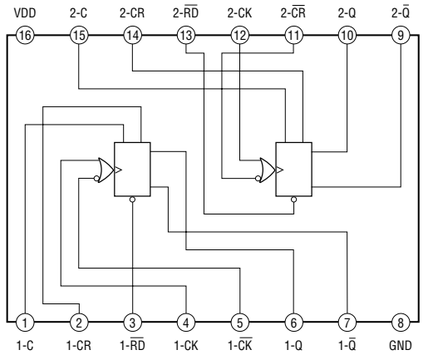
(12/13)
TC74HC157AF (IC4012)



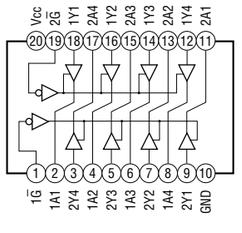
(1/13)
TC74HC4052AF (EL) (IC6906)



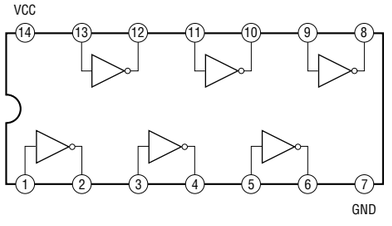
(3/13)
TC74HC4538AF (EL) (IC220)



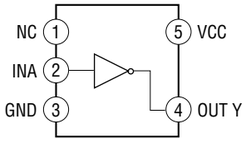
(3/13)
TC74LCX244F (IC102)



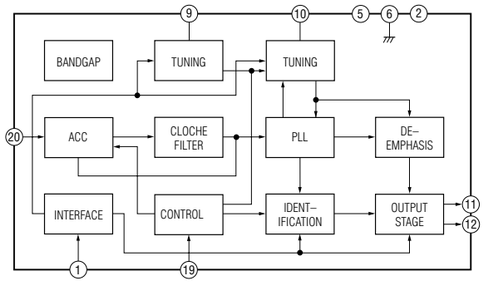
(13/13)
TC74VHCT04AF (IC222)



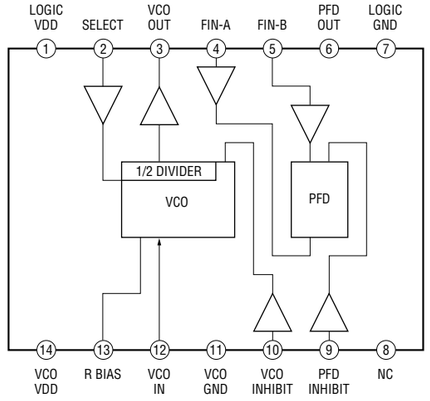
(2/13)
MC74VHC1G04DFT1 (IC223)



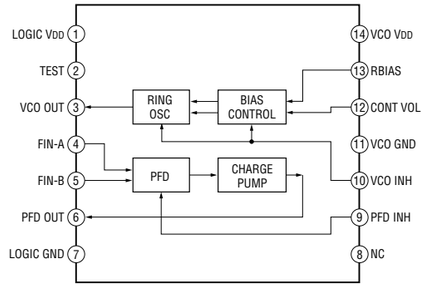
(8/13)
TDA8395T/N3 (IC4000)



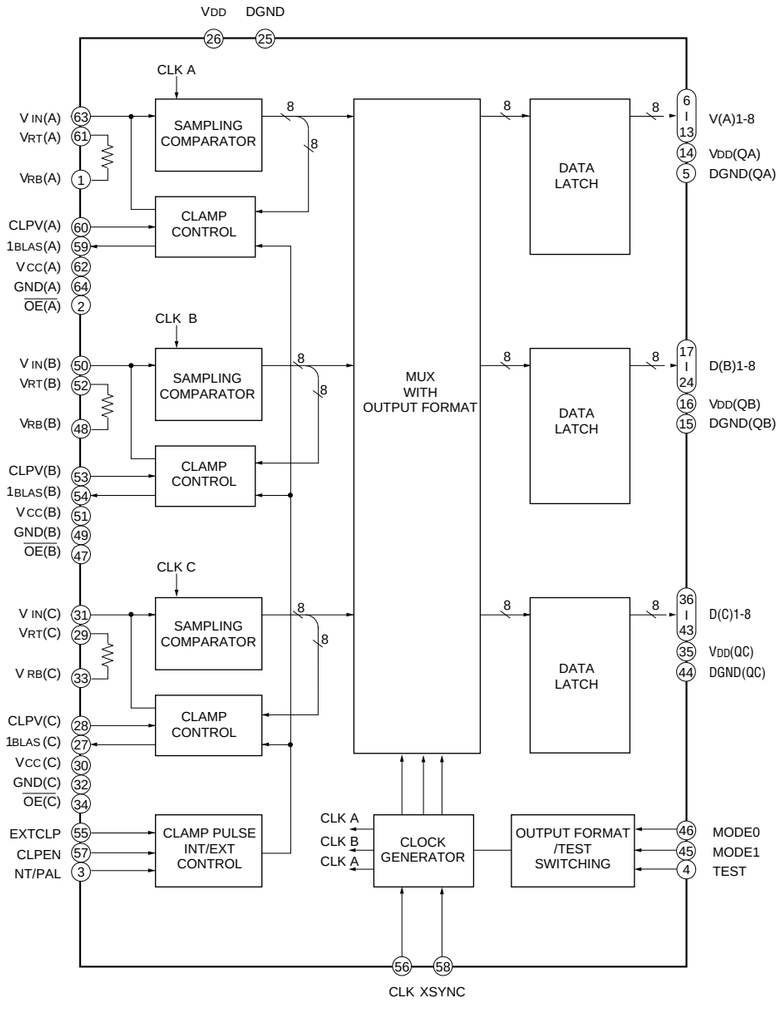
(11/13)
TLC2932IPW (IC1041)

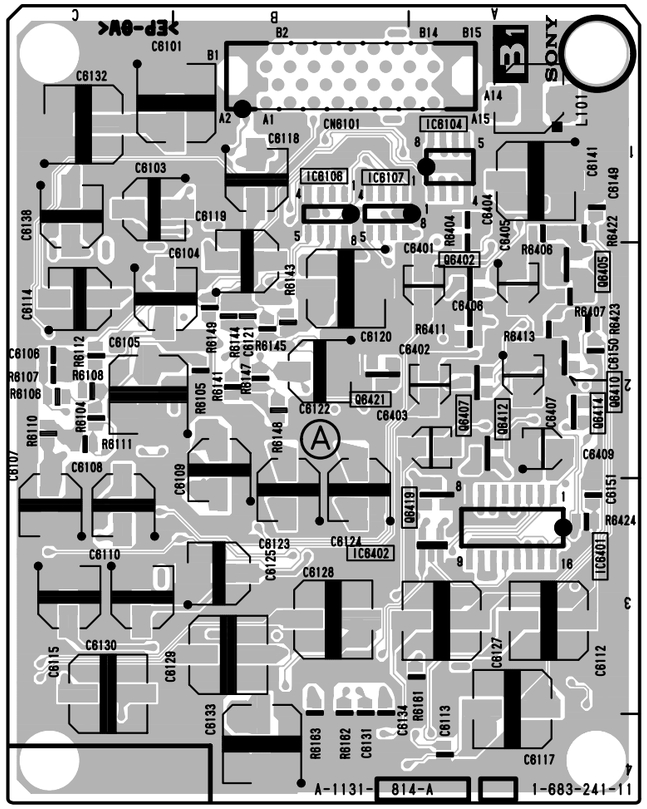


(11/13)
TLC2933IPW (IC1037)

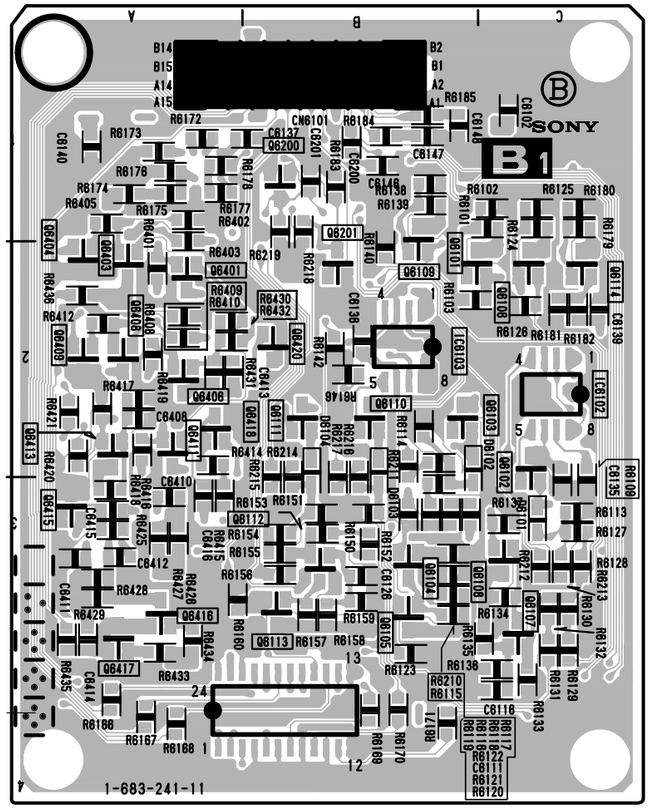


(11/13)
TLC5733A (IC1042)





B1 -A SIDE-
SUFFIX: -11



B1 -B SIDE-
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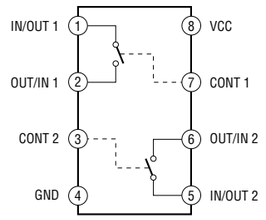
TC4W66F (IC6106, IC6107)



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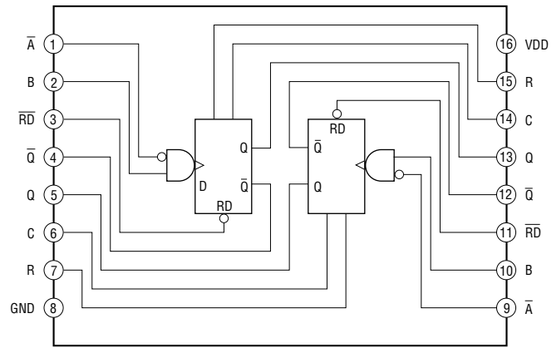
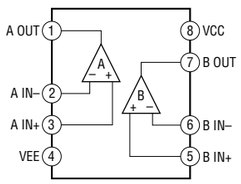


B1 BOARD

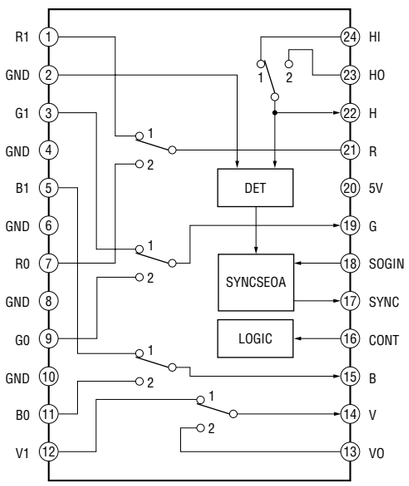
*:B SIDE

D6101	* C-3	Q6113	* B-3
D6102	* C-2	Q6114	* C-2
D6103	* B-3	Q6200	* B-1
D6104	* B-2	Q6201	* B-2
		Q6401	* A-2
IC6101	* B-4	Q6402	A-2
IC6102	* C-2	Q6403	* A-2
IC6103	* B-2	Q6404	* A-2
IC6104	A-1	Q6405	A-2
IC6106	B-1	Q6406	* A-2
IC6107	B-1	Q6407	A-2
IC6401	A-3	Q6408	* A-2
IC6402	B-3	Q6409	* A-2
		Q6410	A-2
Q6101	* C-2	Q6411	* A-2
Q6102	* C-2	Q6412	A-2
Q6103	* C-2	Q6413	* A-2
Q6104	* B-3	Q6414	A-2
Q6105	* B-3	Q6415	* A-3
Q6106	* C-2	Q6416	* A-3
Q6107	* C-4	Q6417	* A-3
Q6108	* C-4	Q6418	* B-2
Q6109	* C-2	Q6419	A-3
Q6110	* B-2	Q6420	* B-2
Q6111	* B-2	Q6421	B-2
Q6112	* B-3		

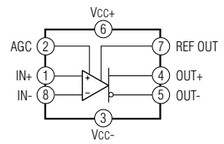
BA10358F (IC6104)

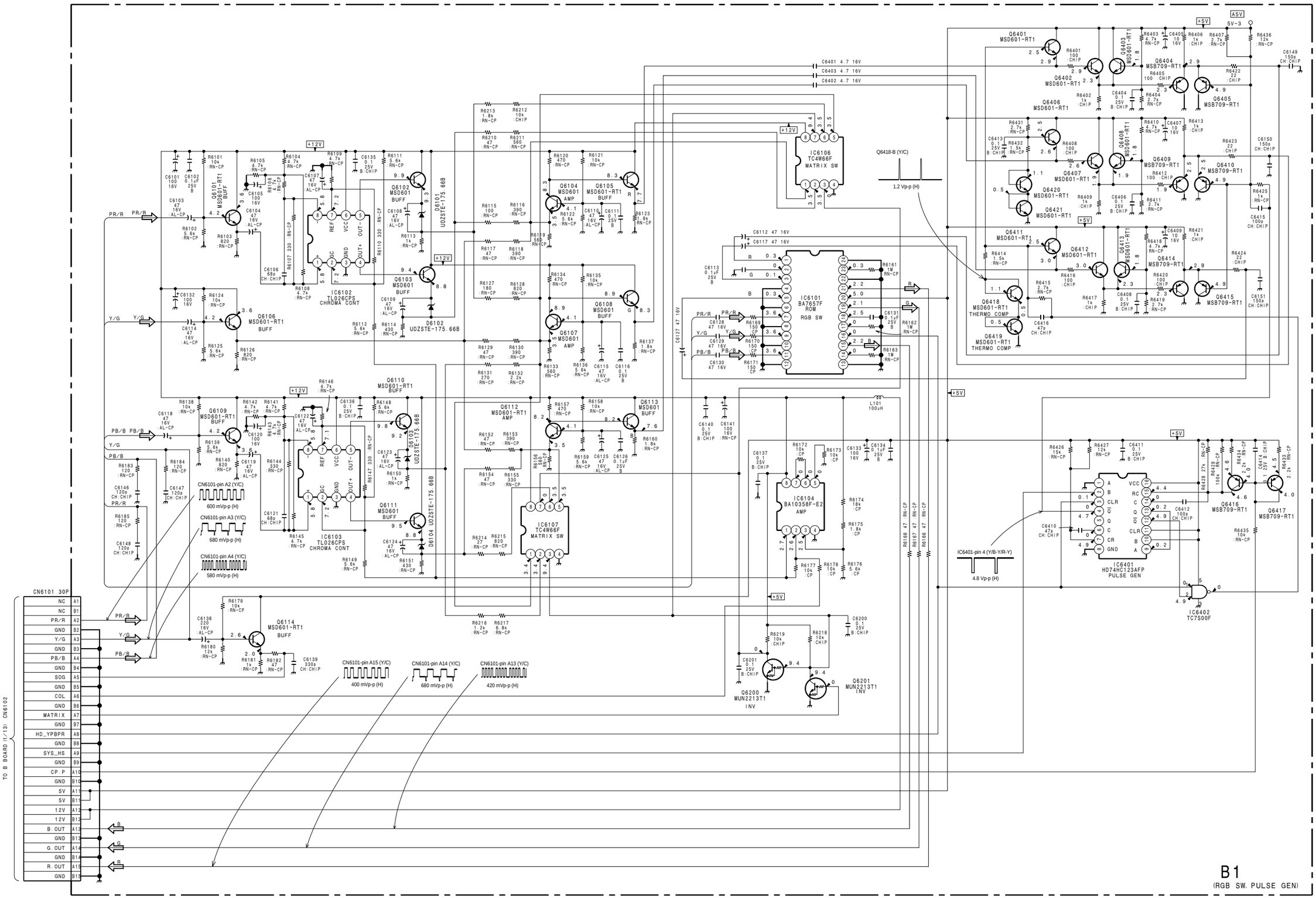


BA7657F (IC6101)



TL026CPS (IC6102, IC6103)





B1
(RGB SW, PULSE GEN)
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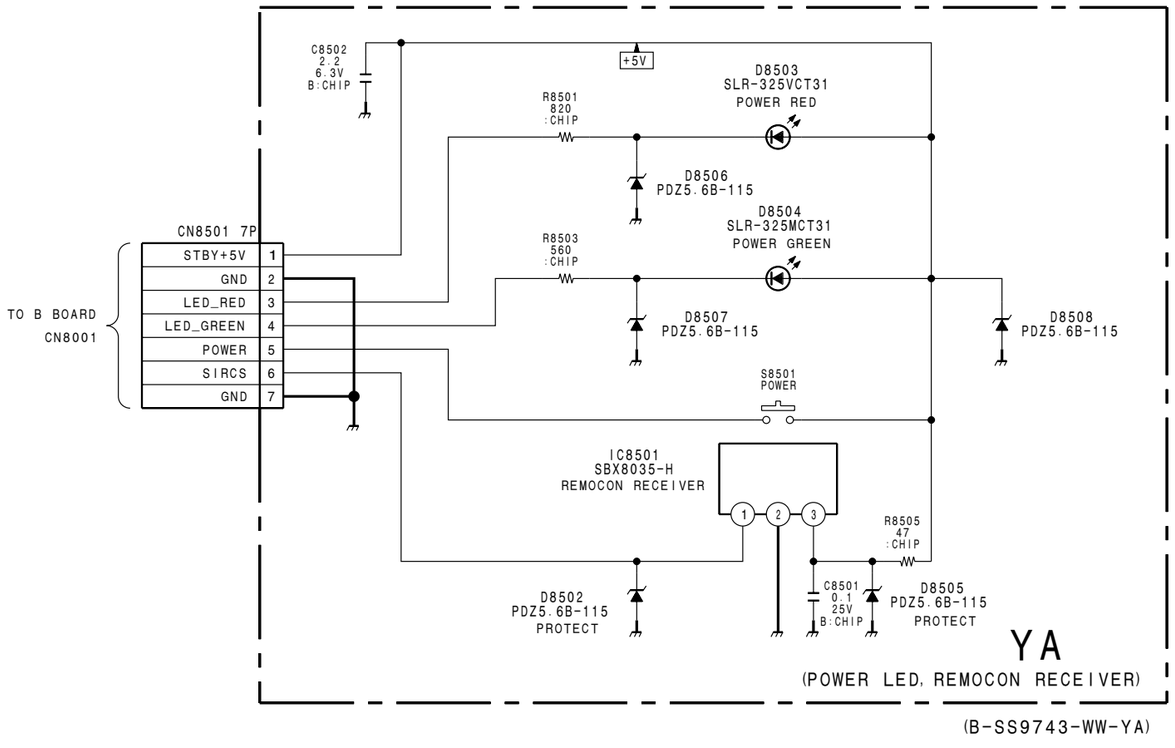

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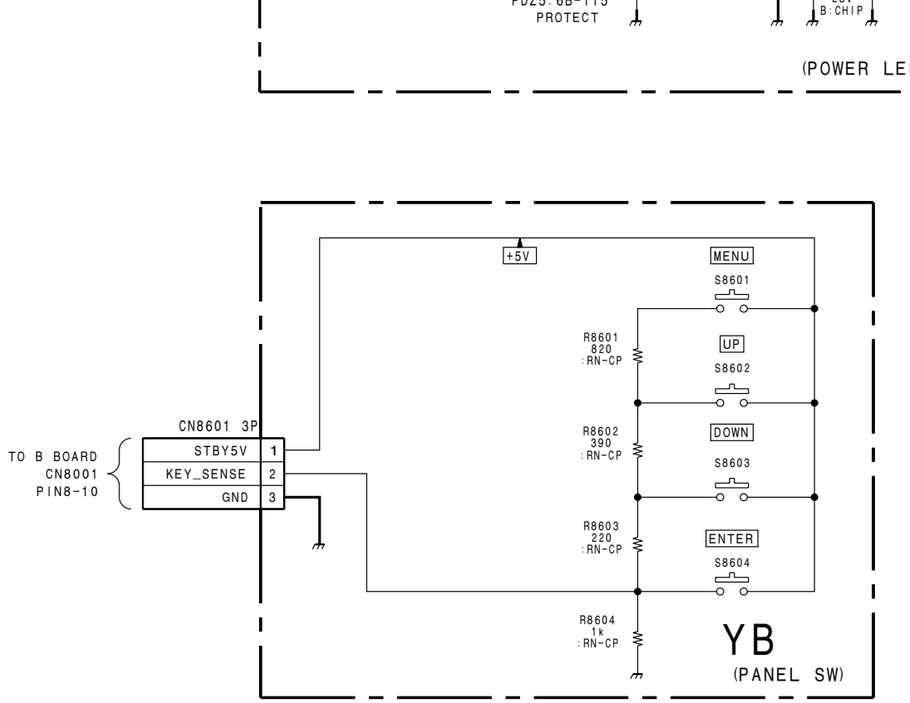
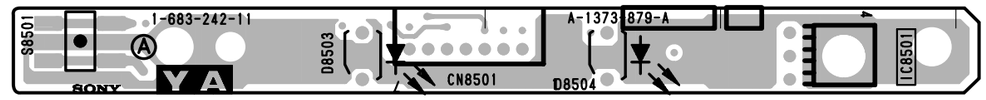


(B-SS9743-WW-YB)



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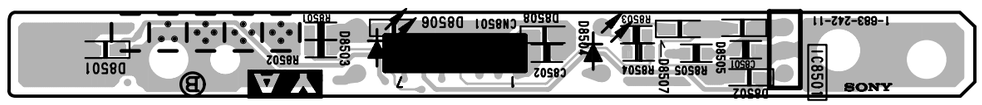
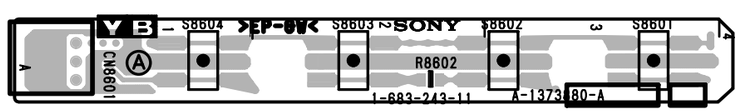
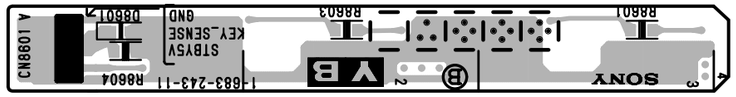


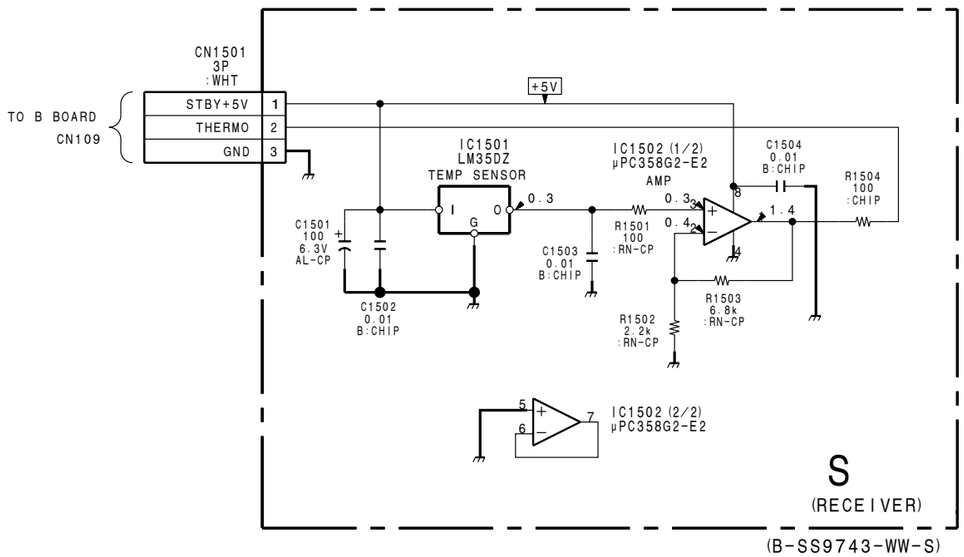
YA -B SIDE-
SUFFIX: -11

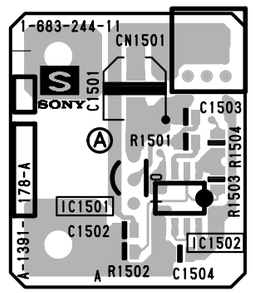


YB -A SIDE-
SUFFIX: -11

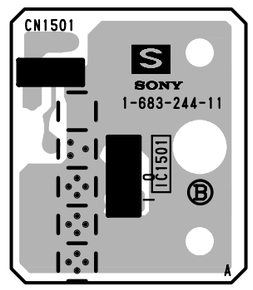


YB -B SIDE-
SUFFIX: -11



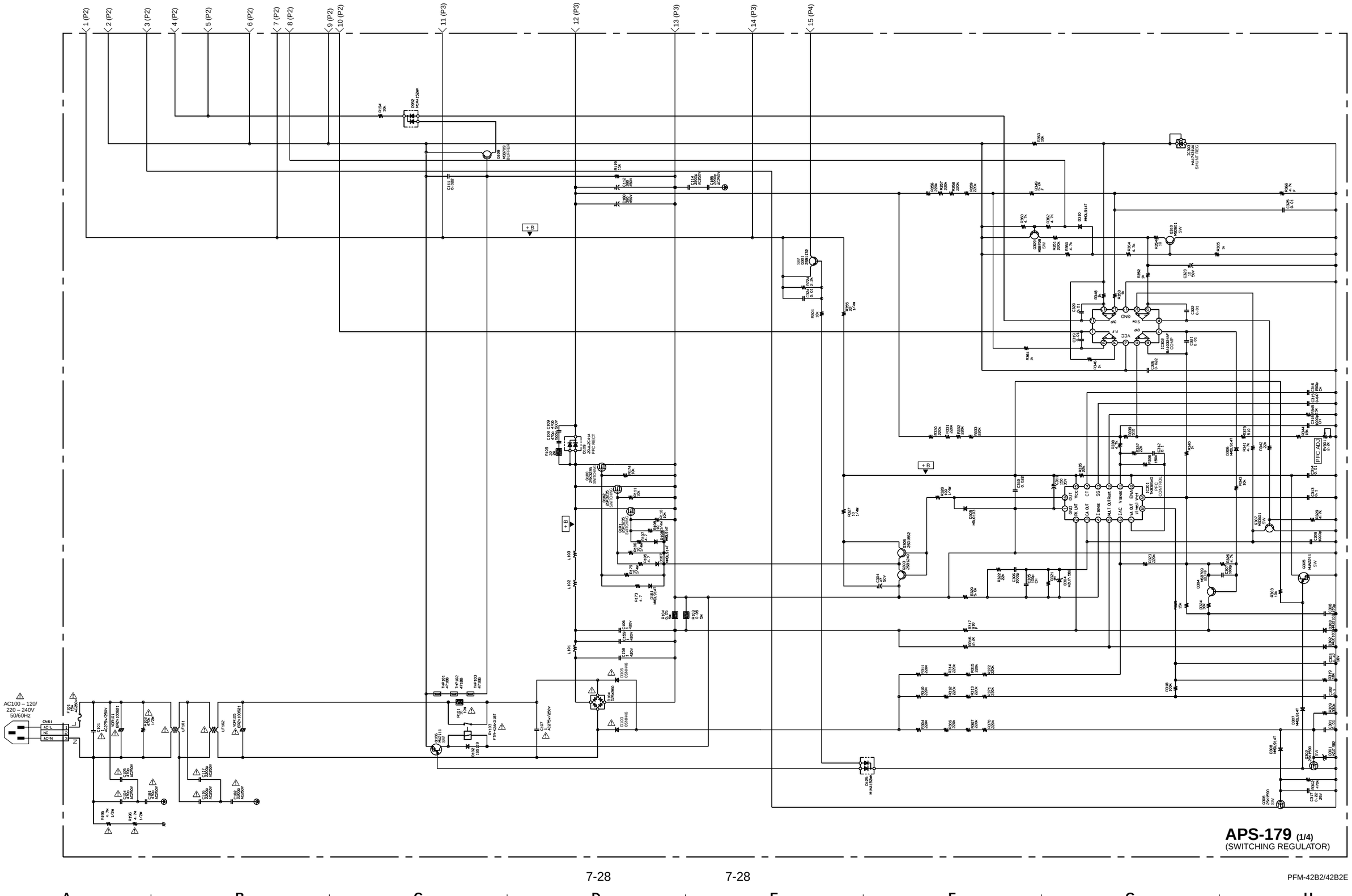


S -A SIDE-
SUFFIX: -11

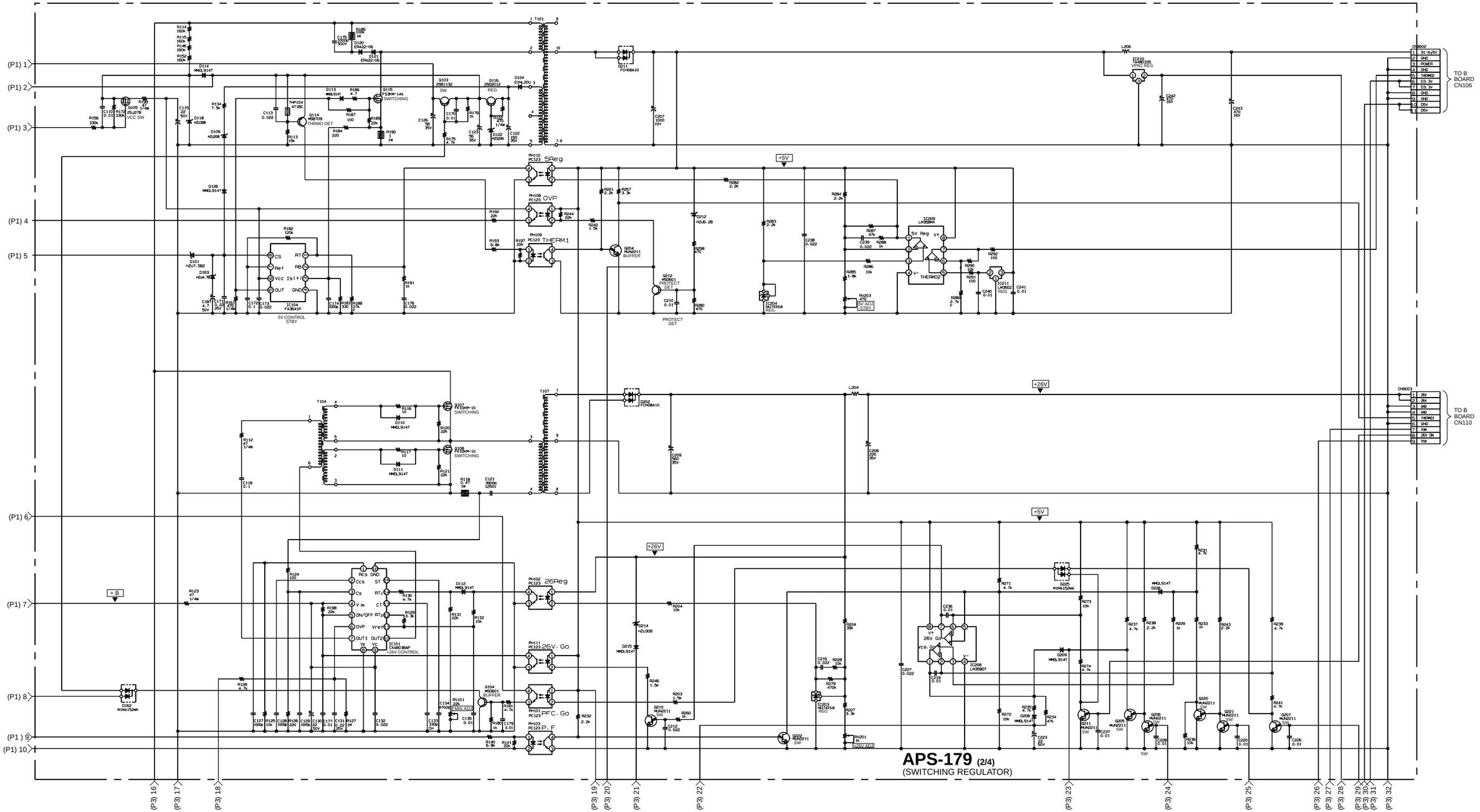


S -B SIDE-
SUFFIX: -11

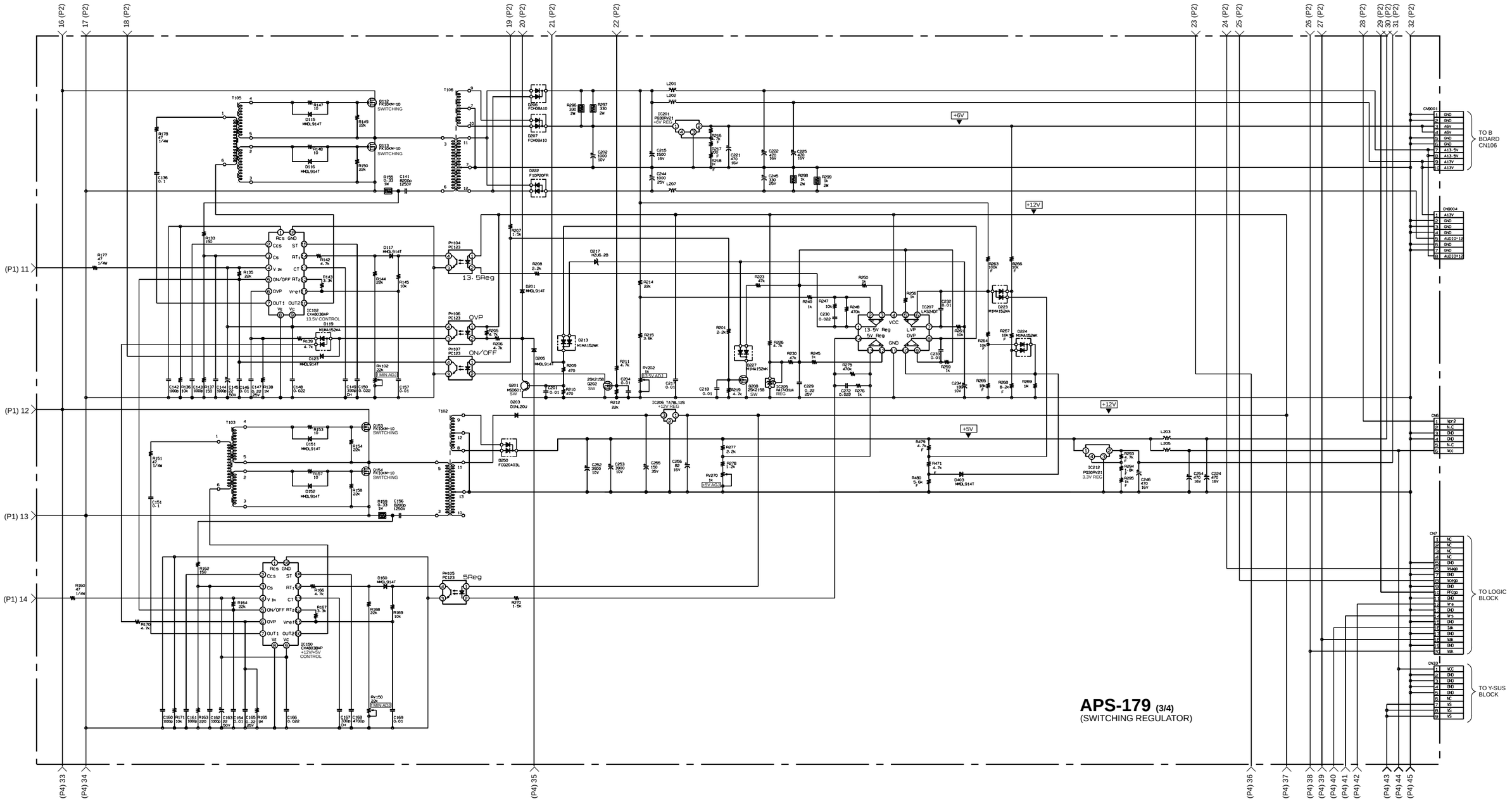
APS-179 (1/4)



7-28

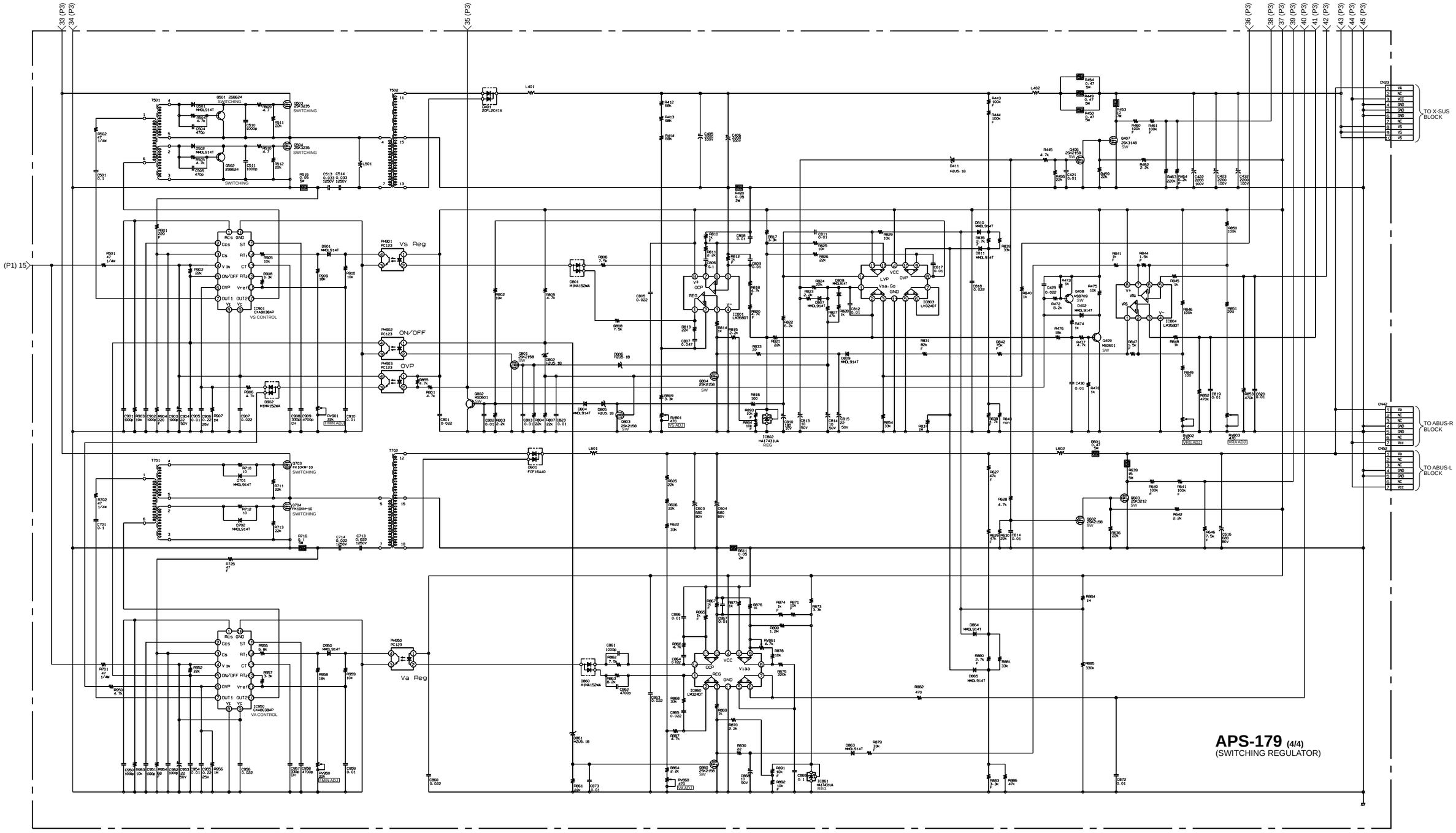

(P1) 1
(P1) 2
(P1) 3
(P1) 4
(P1) 5
(P1) 6
(P1) 7
(P1) 8
(P1) 9
(P1) 10
T101
T104
T107
+5V
+26V
+ B
5V CONTROL STBY
PROTECT DET
5V ADJ STBY
26V CONTROL
5V Reg
VPR2 REG
5Reg
OVP
THERM1
26Reg
26V. Go
PFC. Go
P. F
SW
BUFFER
REG
THERMO
TO B BOARD CN106
TO B BOARD CN110
APS-179 (2/4)
(SWITCHING REGULATOR)
(P3) 16
(P3) 17
(P3) 18
(P3) 19
(P3) 20
(P3) 21
(P3) 22
(P3) 23
(P3) 24
(P3) 25
(P3) 26
(P3) 27
(P3) 28
(P3) 29
(P3) 30
(P3) 31
(P3) 32

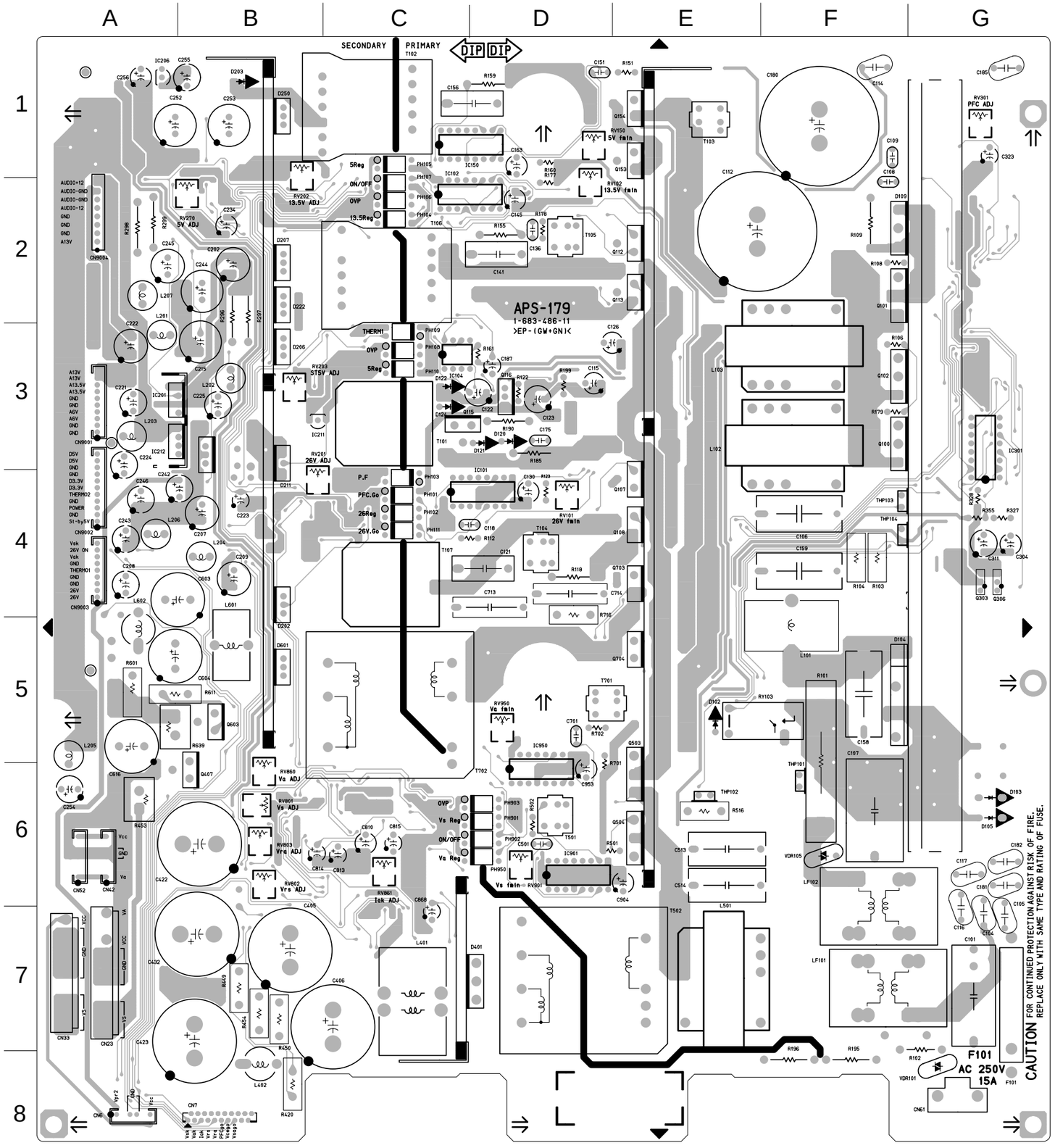
APS-179 (3/4)



7-30

APS-179 (4/4)


APS-179 (4/4)
(SWITCHING REGULATOR)
TO X-SUS BLOCK
TO ABUS-R BLOCK
TO ABUS-L BLOCK
VS CONTROL
VA CONTROL
ON/OFF
OVP
VS Reg
Va Reg
SWITCHING
REG



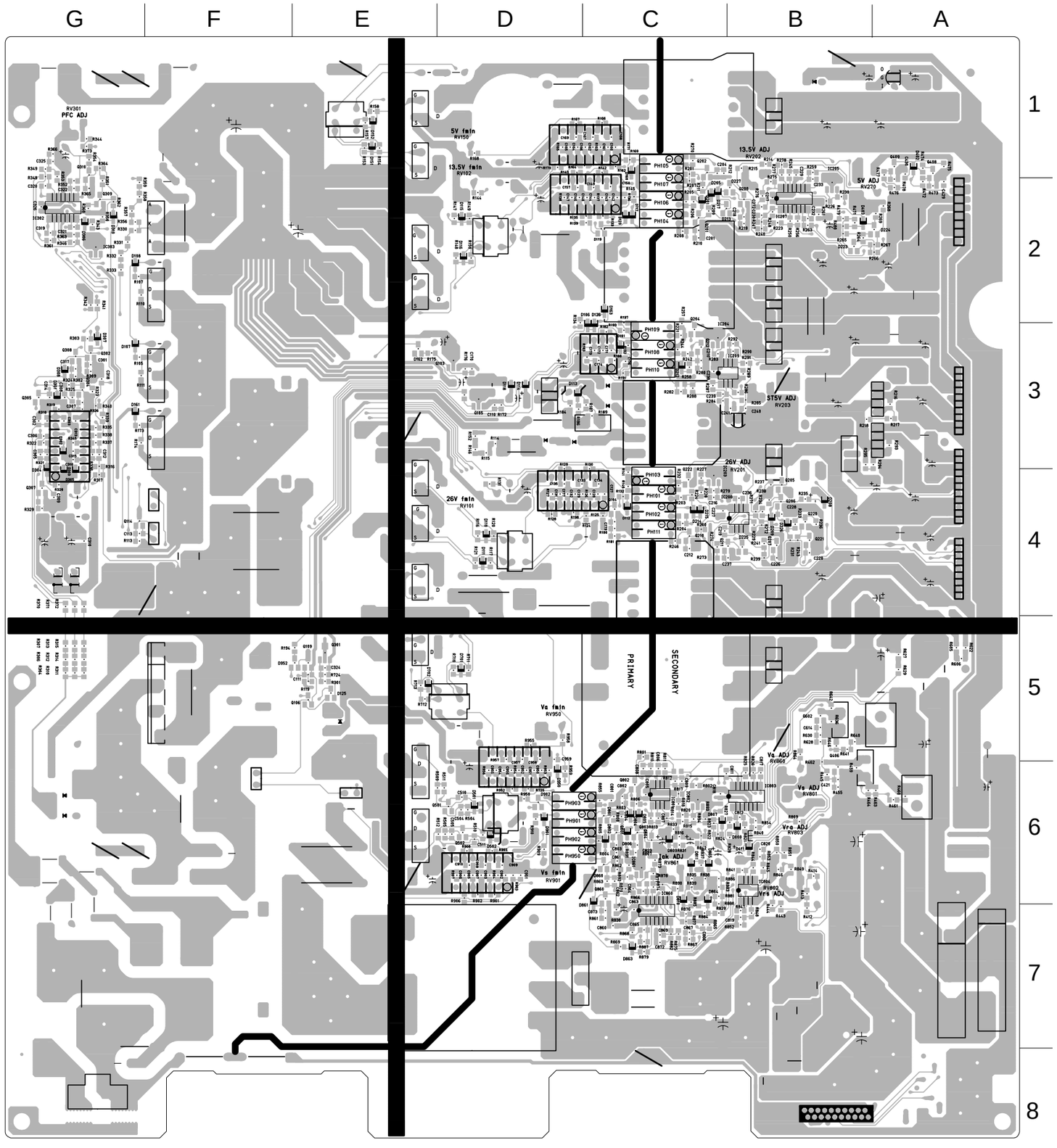
APS-179 BOARD

* : B SIDE

D101	* C-3	D950	* D-6		
D102	E-5	D952	* E-5		
D103	G-6				
D104	F-5	IC101	D-4		
D105	G-6	IC102	C-2		
D106	* C-2	IC104	C-3		
D107	* G-3	IC150	C-1		
D108	* G-2	IC201	A-3		
D109	F-2	IC202	A-3		
D110	* D-4	IC203	* C-3		
D111	* D-4	IC204	* C-2		
D112	* C-4	IC205	* B-1		
D113	* D-3	IC206	A-1		
D114	* D-3	IC207	* B-2		
D115	* D-2	IC208	* B-4		
D116	* D-2	IC209	* B-3		
D117	* C-2	IC211	B-3		
D118	* D-3	IC301	G-3		
D119	* C-2	IC302	* G-2		
D120	D-3	IC303	* G-2		
D121	D-3	IC801	* C-6		
D122	C-3	IC802	* C-6		
D123	* C-2	IC803	* B-6		
D124	C-3	IC804	* B-6		
D125	* E-5	IC860	* C-6		
D126	* C-2	IC861	* C-6		
D151	* E-1	IC901	D-6		
D152	* E-1	IC950	D-6		
D160	* C-1				
D161	* G-3	Q100	F-3		
D162	* E-3	Q101	F-2		
D163	* C-2	Q102	F-3		
D201	* C-2	Q103	* D-3		
D202	B-4	Q104	* C-4		
D203	B-1	Q105	* D-3		
D205	* C-2	Q106	* E-5		
D206	B-3	Q107	E-4		
D207	B-2	Q108	E-4		
D208	* B-4	Q109	* E-5		
D209	* B-4	Q112	E-2		
D211	B-3	Q113	E-2		
D212	* C-3	Q114	* G-4		
D213	* C-2	Q115	C-3		
D214	* C-4	Q116	D-3		
D215	* C-4	Q153	E-1		
D217	* C-2	Q154	E-1		
D222	B-2	Q201	* C-2		
D224	* A-2	Q202	* C-1		
D225	* B-4	Q204	* C-2		
D226	* B-4	Q205	* B-4		
D227	* B-2	Q206	* B-4		
D250	B-1	Q207	* B-4		
D301	* G-3	Q208	* B-2		
D302	* G-3	Q210	* C-4		
D303	* G-3	Q211	* C-4		
D304	* G-3	Q212	* C-3		
D305	* G-3	Q220	* B-4		
D306	* G-2	Q221	* B-4		
D307	* G-3	Q222	* C-4		
D308	* G-3	Q223	* B-2		
D310	* G-2	Q301	* E-5		
D401	D-7	Q302	* G-3		
D402	* A-1	Q303	G-4		
D403	* B-2	Q304	* G-3		
D411	* B-6	Q305	* G-3		
D501	* D-6	Q306	G-4		
D502	* D-6	Q307	* G-4		
D601	B-5	Q308	* G-3		
D701	* D-5	Q309	* G-2		
D702	* E-5	Q310	* G-1		
D801	* C-6	Q407	B-6		
D802	* C-6	Q408	* A-1		
D804	* C-6	Q409	* A-1		
D805	* C-6	Q501	* D-6		
D806	* C-6	Q502	* D-6		
D807	* C-6	Q503	E-6		
D808	* B-6	Q504	E-6		
D809	* C-6	Q602	* B-5		
D810	* C-6	Q603	B-5		
D811	* C-6	Q703	E-4		
D860	* C-6	Q704	E-5		
D861	* C-6	Q801	* C-6		
D863	* C-7	Q802	* C-6		
D864	* C-6	Q803	* C-6		
D865	* C-6	Q804	* C-6		
D901	* D-6	Q860	* C-6		
D902	* D-6				

APS-179 -A SIDE-

SUFFIX: -11



APS-179 -B SIDE-
SUFFIX: -11

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer :

Check the metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA. Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

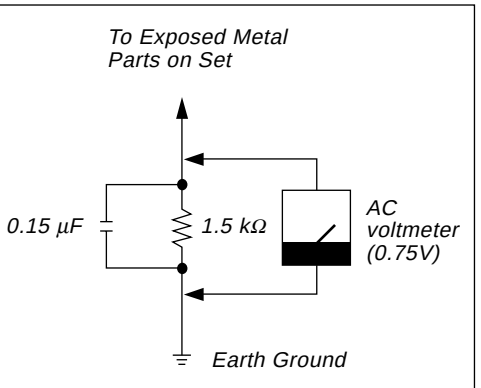


Fig A. Using an AC voltmeter to check AC leakage.

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